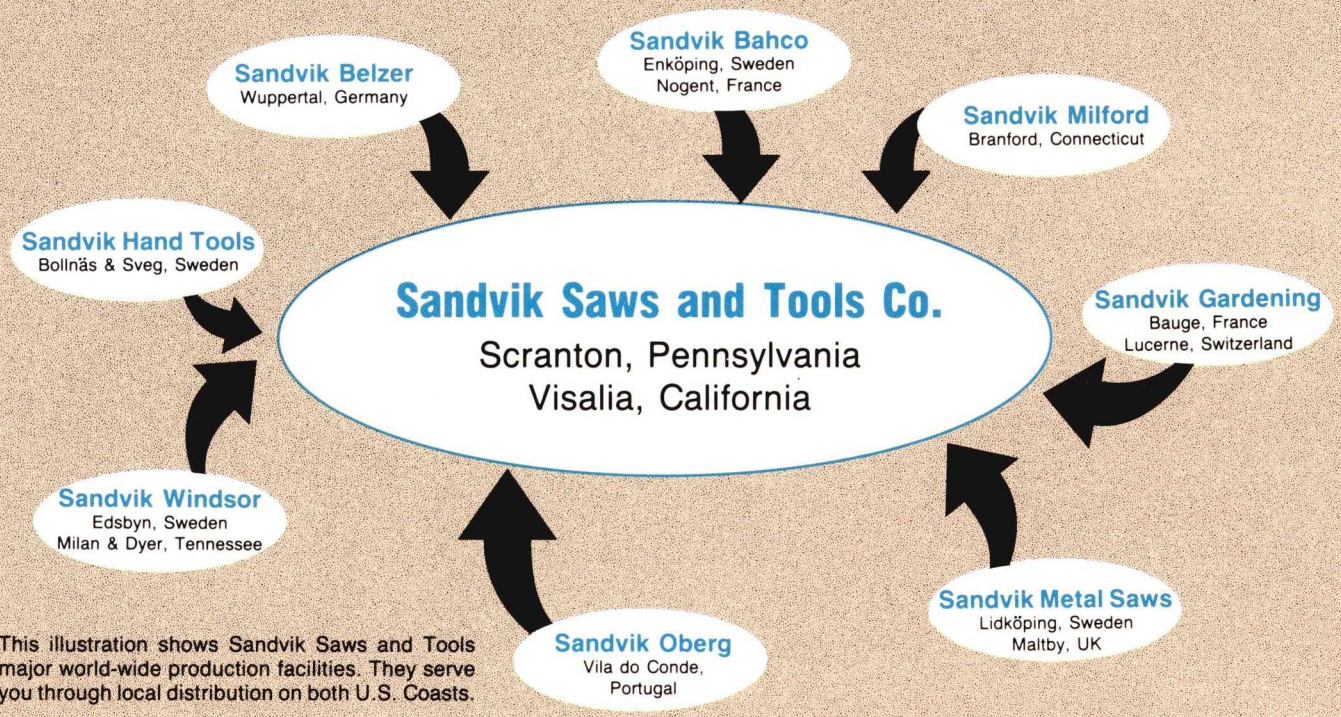
Sandvik Saws and Tools

PROFESSIONAL TOOLS AND POWER TOOL ACCESSORIES

SANDVIK

Performance tools - Always available

PERFORMANCE TOOLS - ALWAYS AVAILABLE



This illustration shows Sandvik Saws and Tools major world-wide production facilities. They serve you through local distribution on both U.S. Coasts.

ISO 9000 — OUR QUALITY COMMITMENT

Sandvik Saws and Tools has set ISO 9000 Certification as a goal for all of its facilities. All of our production and service functions will be performed according to well defined specifications. Many Saws and Tools production facilities hold ISO 9000 certification now. Those that don't are closely examining what must be done to become ISO certified. ISO 9000 is our commitment to quality assurance.

SELECTIVE DISTRIBUTION

Sandvik products are sold through select distribution. Your Sandvik distributor can be relied upon to provide you with the highest level of service and technical support.

FAST RELIABLE DELIVERY

At Sandvik orders received BEFORE 11 A.M. ROUTINELY SHIP THE SAME DAY. We concentrate on ERROR-FREE order fulfillment.

UNSURPASSED QUALITY

Since its inception in 1862 Sandvik has stood for quality. Reliability and performance continue today and are built into our products under strict quality control systems. Our distributors take pride in supplying the VALUE ADDED benefits associated with Sandvik branded products.

RESEARCH AND DEVELOPMENT

Sandvik spends 4% of its annual sales on research and product development. The latest laboratory techniques and highly qualified technicians keep Sandvik at the forefront of cutting technology.

FACTORY TECHNICAL SUPPORT

Our professional sales team and Technical Services Department are readily available to provide:

-Application recommendations
-In plant training seminars

SERVICE EXCELLENCE

Sandvik's highly trained and experienced Customer Service and Order Entry team is ready to serve you Monday through Friday, 8 AM to 8 PM EST.

FRIENDLY CUSTOMER SERVICE / ORDER ENTRY

PROFESSIONAL TOOLS DIVISION
800-TOP-TOOL

INDUSTRIAL TOOLS DIVISION
800-446-7404

TECHNICAL SUPPORT
800-828-9893

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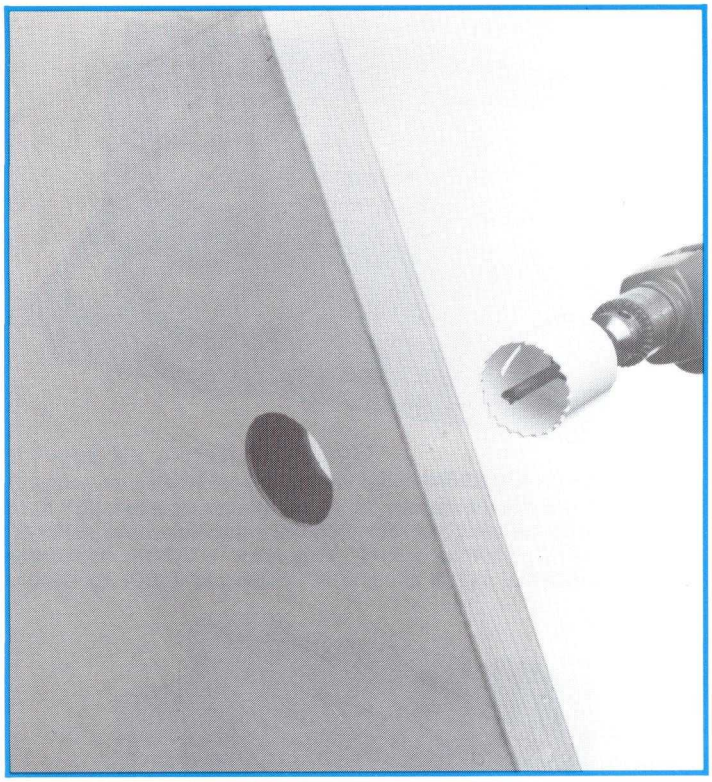
MAHAR TOOL SUPPLY
Gunn & Mitchell Streets
Cadillac, MI 49601
1-800-828-7781
Fax 616-775-8191

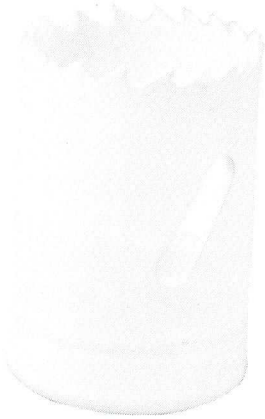
POWER TOOL ACCESSORIES

HOLESAWS

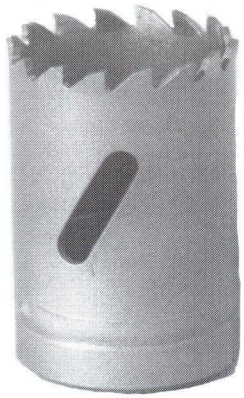


VIP BIMETAL HOLESAWS

A high speed steel cutting edge is electron-beam welded to a tough alloy back, to cut clean, accurate holes in virtually any machinable material. Knockout holes allow easy removal of cores. Available in diameters from 9/16" to 6". 4/6 TPI.
Variable pitch toothing reduces vibrations and provides smooth, clean cut.



ALL HOLESAWS PACKED ONE PER CARTON



HOLESAWS FURNISHED WITHOUT ARBORS

TUNGSTEN CARBIDE TIPPED HOLESAWS

Tungsten carbide tipped holesaws are designed to handle today's especially tough abrasive materials such as formica, fiberglass, tile, bronze, copper and masonite. Tungsten carbide tips are fusion welded to an alloy steel back to withstand the punishing heat and abrasion generated by these materials.

DIA. SAW SIZE	BIMETAL HOLESAWS EDI NUMBER	CARBIDE TIPPED HOLESAWS EDI NUMBER	PIPE TAP SIZE	PIPE ENT. SIZE	USE ARBOR EDI NUMBER
9/16"	44774	55774			
5/8"	44776	55776			45316,
11/16"	44778	55778			or
3/4"	44780	55780	1/2"	3/8"	45319
13/16"	44782	55782			
7/8"	44784	55784	3/4"	1/2"	
15/16"	44786	55786			
1"	44788	55788			
1 1/16"	44790	55790			45316,
1 1/8"	44792	55792	1"	3/4"	or
1 3/16"	44794	55794			45319
1 1/4"	44796	55796			45314,
1 5/16"	44798	55798			45315,
1 3/8"	44800	55800		1"	or
1 7/16	44802	55802			45318
1 1/2"	44804	55804	1-1/4"		
1 9/16"	44806	55806			45314,
1 5/8"	44808	55808			45315,
1 11/16"	44810	55810			or
1 3/4"	44812	55812	1-1/2"	1-1/4"	45318
1 13/16"	44814	55814			
1 7/8"	44816	55816			
2"	44818	55818			45314,
2 1/16"	44820	55820			45315,
2 1/8"	44822	55822			or
					45318

DIA. SAW SIZE	BIMETAL HOLESAWS EDI NUMBER	CARBIDE TIPPED HOLESAWS EDI NUMBER	PIPE TAP SIZE	PIPE ENT. SIZE	USE ARBOR EDI NUMBER
2 1/4"	44824	55824	2"		45314,
2 5/16"	44826	55826			45315,
2 3/8"	44828	55828			or
					45318
2 1/2"	44830	55830		2"	
2 9/16"	44832	55832			45314,
2 5/8"	44834	55834	2-1/2"		45315,
2 3/4"	44836	55836			or
2 7/8"	44838	55838			45318
3"	44840	55840		2-1/2"	
3 1/8"	44842	55842			
3 1/4"	44844	55844	3"		
3 3/8"	44846	55846			45314,
3 1/2"	44848	55848			45315,
3 5/8"	44850	55850		3"	or
3 3/4"	44852	55852	3-1/2"		45318
3 7/8"	44854	55854			
4"	44856	55856			
4 1/8"	44858	55858		3-1/2"	45314,
4 1/4"	44860	55860	4"		45315,
4 3/8"	44861	55861			or
4 1/2"	44862	55862		4"	45318
4 3/4"	44864	55864			
5"	44866	55866			45314
5 1/2"	44868	55868			45315
6"	44870	55870			45318

HOLESAW KITS

21 Piece Deluxe Maintenance Kit — EDI No. 45497

Contains one each of the following: 3/4'', 7/8'', 1'', 1-1/8'', 1-3/8'', 1-1/2'', 1-3/4'', 2'', 2-1/4'', 2-1/2'', 3', 3-1/4'', 3-5/8'', 3-3/4'', 4-1/8'', and 4-3/4'' diameter Holesaws and Arbors 45313, 45314 together with three Pilot Drills — EDI Nos. (two) 45488 and (one) 45477.

7 Piece Carbide Tipped Holesaw Kit — EDI No. 55492

Contains the most popular sizes of small diameter Holesaws. Carbide tipped Holesaws are ideal for very abrasives materials such as ceramics, fiberglass, and other non-ferrous, non-metallic materials. Each kit contains one each 7/8'', 1'' 1-1/8'', 1-1/4'' and 1-1/2'' diameter Holesaws plus one 1/4'' Arbor — EDI No. 45316 and Arbor Adapter — EDI No. 45442.

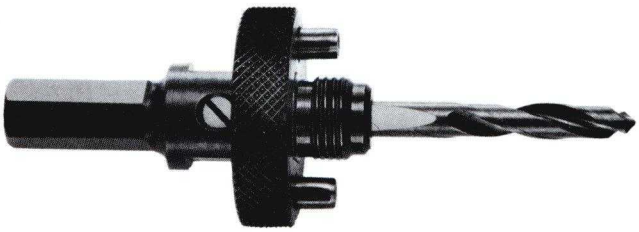
Plumber's Holesaw Kit — EDI No. 45496

Contains 6 Bimetal Holesaws for standard pipe tap sizes 1/2'' to 2'' diameter. Kit contains one each of the following Holesaws: 3/4'', 7/8'' 1-1/8'', 1-1/2'', 1-3/4'' and 2-1/4''. Plus Arbor — EDI No. 45316, one Arbor — EDI No. 45314, and one 12'' Extension — EDI No. 45404.

17 Piece General Maintenance Kit — EDI No. 45498

Contains one each of the following: 5/8'', 3/4'', 7/8'', 1'', 1-1/8'', 1-1/4'', 1-3/8'', 1-1/2'', 1-3/4'', 2'', 2-1/2'' and 3'' diameter Holesaws and Arbors 45313, 45314 together with three Pilot Drills — EDI No. 45477.

ARBORS AND ACCESSORIES



7/16'' Hex Shank Quick Change — EDI NO. 45314

Hex Shank prevents slippage in chuck. It's construction provides faster interchanging of Holesaws without Arbor removal from chuck. Has Pin Drive feature. For Holesaws 1-1/4'' to 6'' diameter.

5/8'' Hex Shank Quick Change — EDI No. 45315.

3/8'' Hex Shank Quick Change — EDI No. 45318.

No arbor removal.

5/16'' Hex — EDI No. 45319.

For use in 3/8'' drive chucks. Hex design prevents slippage. Fits Holesaws 5/8'' to 1-3/16'' diameter.

1/4'' Hex Shank — EDI No. 45316.

Pilot drill shank chucks onto drill. For Holesaws 9/16'' to 1-3/16'' diameter.

HOLESAW KITS

7 Piece Kit — EDI No. 45492

Contains the popular small diameter Bimetal Holesaws. Each kit contains the following size Holesaws: 7/8", 1", 1-1/8", 1-1/4" and 1-1/2" diameter, plus one Arbor — EDI No. 45316 and one Adapter EDI No. 45442.

Deluxe 13 Piece Kit — EDI No. 45493

General purpose kit contains 9 Bimetal Holesaws for the most popular pipe tap and pipe entrance sizes. Each kit contains the following Holesaws: 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4" and 2-1/2" diameter, plus one Arbor — EDI No. 45316, one Quick Change Arbor — EDI No. 45314, one extra Pilot Drill — EDI No. 45488, and one Adapter — EDI No. 45442.

13 Piece Carbide Tipped Holesaw Kit — EDI No. 55493

Contains the most popular size pipe and tap entrance sizes. Carbide tipped Holesaws are ideal for very abrasive materials such as ceramics, fiberglass, fiberboard, brick and other non-ferrous, non-metallic materials. Each kit contains one each 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", and 2-1/2" diameter Holesaws plus one 1/4" Arbor — EDI No. 45316, one 7/16" Quick Change Arbor — EDI No. 45314, one extra Pilot Drill — EDI No. 95320 and an Arbor Adapter — EDI No. 45442.

Electrician's Hole Saw Kit — EDI No. 45499

Contains 6 Bimetal Holesaws to cut entrance hole sized for standard pipe 3/8" to 2" in diameter. Kit contains one each of the following size Holesaws: 7/8", 1-1/8", 1-3/8", 1-3/4", 2" and 2-1/2" plus one Arbor — EDI No. 45316, one Quick Change Arbor — EDI No. 45314, and one 12" Extension — EDI No. 45404.

High Speed Steel Pilot Drill 1/4" diameter — EDI No. 45477 For Arbors 45316 and 45319.

High Speed Steel Pilot Drill 1/4" diameter — EDI No. 45388 For Arbors 45314, 45315, and 45318.

Carbide Tipped Pilot Drill 1/4" diameter — EDI No. 95320. For Arbors 45314, 45315, and 45318.

Adapter

Arbor Adapter — EDI No. 45442. Adapts 1/2-20 Holesaws (9/16" to 1-3/16") Thread Arbor to accommodate 5/8-20 Thread Holesaw (1-1/4" to 6").

Driving Plates

— EDI No. 45535 Fits Holesaws Nos. 44840 to 44861.

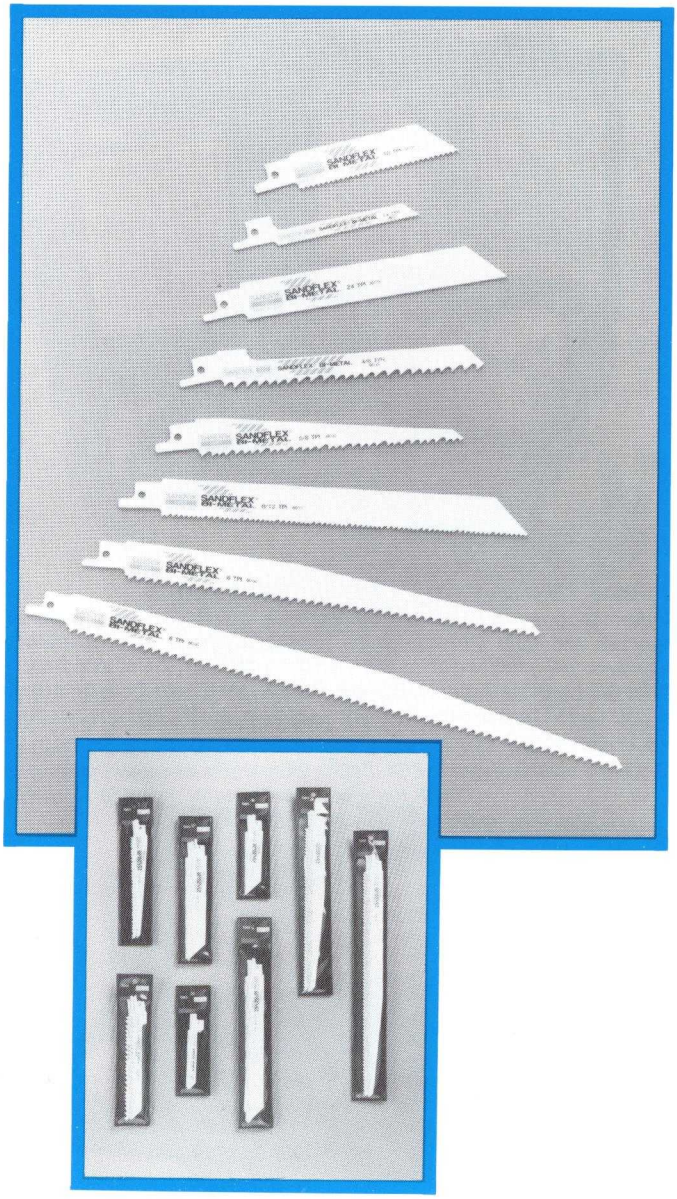
— EDI No. 45536 Fits Holesaws Nos. 44862 to 44870

For reinforcing larger diameter holesaws allowing heavier feed and drive pressures.

Ejector Spring 3834-ES

— EDI No. 45441 For pilot drills to facilitate core removal.

RECIPROCATING SAW BLADES



RECIPROCATING SAW BLADES

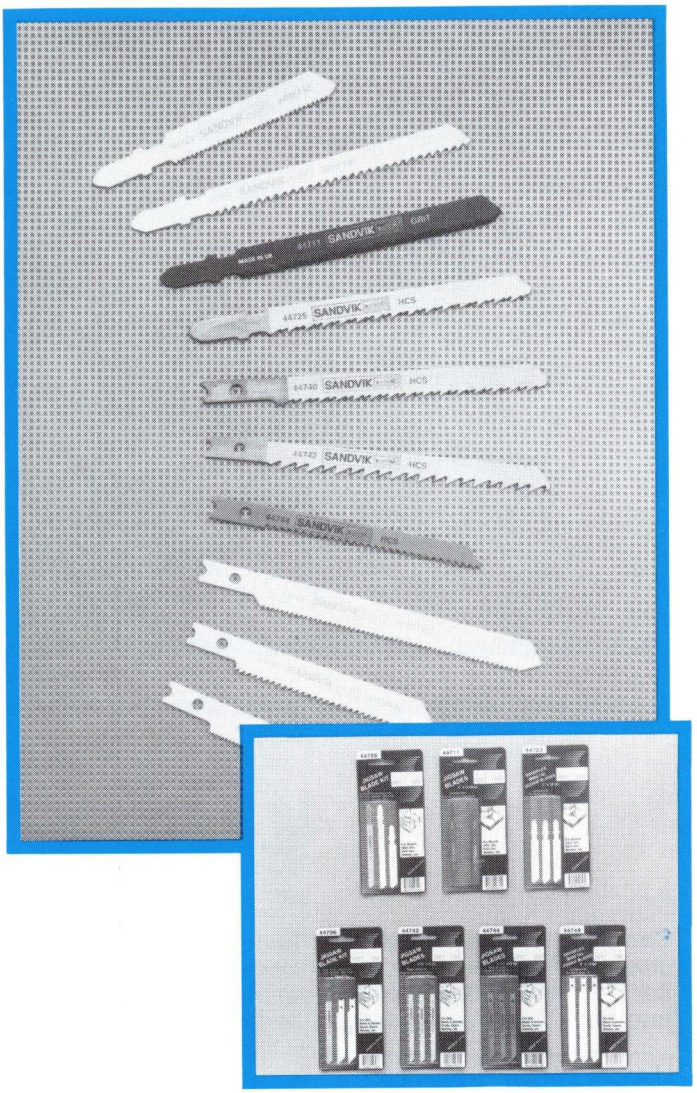
- SANDFLEX BIMETAL MATRIX
- 8% COBALT EDGE
- ¾'' WIDE FOR EXTRA RIGIDITY
- COMBO TOOTH DESIGN
- SHARPEST TEETH - FASTEST CUTTING
- ANGLED TANG
- CUTS FROM NAIL EMBEDDED WOOD TO METALS
- ECONOMICAL ALL PURPOSE CARBON AND SPRING-TEMPERED BLADES

Product Code	TPI	Blade Dimensions	Pkg Qty
SANDFLEX BIMETAL			
88134	6	3-1/2''	5
88154	10 Scroll	3-5/8''	5
88151	14 Scroll	3-5/8''	5
88152	18 Scroll	3-5/8''	5
88164	10	¾''x.035''x4''	5
88161	14	¾''x.035''x4''	5
88162	18	¾''x.035''x4''	5
88163	24	¾''x.035''x4''	5
88166	6	¾''x.035''x6''	5
88176	10	¾''x.035''x6''	5
88177	14	¾''x.035''x6''	5
88178	18	¾''x.035''x6''	5
88179	24	¾''x.035''x6''	5
88216	8/12 Combo	¾''x.050''x6''	5
88217	8/12 Combo	¾''x.050''x8''	5
88218	8/12 Combo	¾''x.050''x12''	5
BIMETAL WOOD CUTTING BLADES			
88142	5/8 Combo Slope	¾''x.050''x6''	5
88143	4/6 Combo Scroll	¾''x.050''6''	5
88144	6 Slope	¾''x.050''x9''	5
88145	6 Slope	¾''x.050''x12''	5
BIMETAL SPECIAL PURPOSE			
87987	Grit Edge	¾''x.035''x4''	3
87986	6 "V" Plaster Slope	¾''x.050''x5''	5
CARBON BLADES			
88001	3	¾''x.032''x6''	5
87945	6	¾''x.032''x6''	5
87975	10	¾''x.032''x6''	5
87935	18	¾''x.032''x6''	5
88000	6 Slope	¾''x.050''x6''	5
88011	3	¾''x.032''x12''	5
88010	6 Slope	¾''x.050''x12''	5
KITS			
88888	Contains 1 each of 88176, 88177, 88163, 88161, 88152, 87945, 87975, 88134, 88154, 88000		
87920	Contains 1 each of 88177, 88178, 88179, 88154, 88000		
88999	Contains 1 each of 88161, 88162, 88166, 88177, 88178		
BIMETAL BULK BLADES — 1000/BOX			
88188	18	¾''x.035''x6''	1000
88189	5/8 Combo Slope	¾''x.035''x6''	1000
88190	14	¾''x.035''x6''	1000

JIGSAW BLADES

JIGSAW BLADES

- SANDFLEX BIMETAL COBALT EDGE
- HIGH CARBON
- HOLLOW GROUND AND SET TOOTH
- UNIVERSAL TANG — FITS BLACK & DECKER, SKIL, SEARS, RYOBI, STANLEY, ETC.
- BOSCH TANG — FITS BOSCH, AEG, ELU, HOLZ-HER, METABO, ETC.
- LARGE ASSORTMENT
- FOR METAL, WOOD, PLASTIC, AND ABRASIVE MATERIALS



CARDED EDI	CARDED (3 PER CARD) Description (Carton Qty. is 10 Cards)	BULK EDI
UNIVERSAL TANG		
44740	3-5/8"x10T - HC/HG	84740
44742	3-5/8"x6T - HC/HG	
44744	3-1/8"x12Tx1/4 HC/HG Scr Rev	
44745	3-1/8"x12T HC/HG Scroll	
44756	3-5/8"x6T Bimetal	
44746	3"x10T Bimetal	
44750	3"x14T Bimetal	84750
44752	3"x18T Bimetal	84752
44754	3"x24T Bimetal	84754
44748	4"x18T Bimetal	
44749	3-5/8"x6T HG/Bimetal	
44738	3-5/8"x8H Skip Bimetal	
44747*	3-5/8" Grit Edge 2/Card	
44706	3 Piece Kit (44746, 44740, 44752)	
44444	5 Piece Kit (44746, 44750, 44752, 44754, 44756)	
BOSCH TANG		
44725	4"x10T - HC/HG	84725
44727	4"x6T - HC/HG	84727
44729	4'x10T - HC/HG/REV	
44715	4"x6T HG Bimetal	84715
44733	4"x6TxHC1/4 Scr/Set	84733
44731	4"x6T HC Set/Filed	
44735	4"x8Tx.042 Bimetal	84735
44717	4"x10Tx.050 Bimetal HG	84717
44737	4"x10Tx.035 Bimetal Set	
44719	4"x18T Bimetal	
44739	3"x14T Bimetal	84739
44723	3"x18T Bimetal	
44721	3"x24T Bimetal	84723
44711*	4" Grit Edge - 2/Card	
44709	3 Piece Kit (44725, 44737, 44723)	

PORTABLE BANDSAW BLADES

PORTABLE BANDSAW BLADES

- SANDFLEX DRAGON BIMETAL
- TOUGHEST BLADE AVAILABLE
- REGULAR AND COMBO TEETH
- LONG LASTING AND SMOOTH CUTTING
- HIGH HARD CARBON
- RESISTS STRETCHING & GUIDEWEAR
- FLEXIBLE CARBON
- ECONOMICAL TO USE
- CONVENIENT PACKAGING
- APPLICATION GUIDE

Sandflex Dragon Bimetal® : Features a high speed steel cutting edge electron-beam welded to an alloy steel back. Provides ideal combination of full tooth hardness and back flexibility for longer blade life.

Length	Width	Teeth/In.	EDI Code			
SANDFLEX DRAGON BIMETAL			Bulk 100/Box	Bulk 10/Box	Std. Pkg. 3	Std. Pkg. 1
3'8⅞"	½"	10	90970	10970	03970	80055
3'8⅞"	½"	14	90971	10971	03971	80056
3'8⅞"	½"	18	90972	10972	03972	80057
3'8⅞"	½"	24	90973	10973	03973	80058
3'8⅞"	½"	10-14	90981	10981	03980	80059
3'8⅞"	½"	14-18	65634	65633	65632	80060
4'5¾"	½"	10	90966	---	---	04966
4'5¾"	½"	14	90967	---	---	04967
4'5¾"	½"	18	90968	---	---	04968
4'5¾"	½"	24	90969	---	---	04969
4'5¾"	½"	10-14	90980	---	---	04980
4'5¾"	½"	14-18	63636	---	---	65635

Flexback: Ideal for general cut-off work where usage is small or where special blades are not applicable.

Length	Width	Teeth/In	EDI Code	
FLEXBACK			Bulk 100/Box	Std. Pkg. 3
3'8⅞"	½"	10	90958	02958
3'8⅞"	½"	14	90965	09265
3'8⅞"	½"	18	90979	02979
3'8⅞"	½"	24	90639	03639

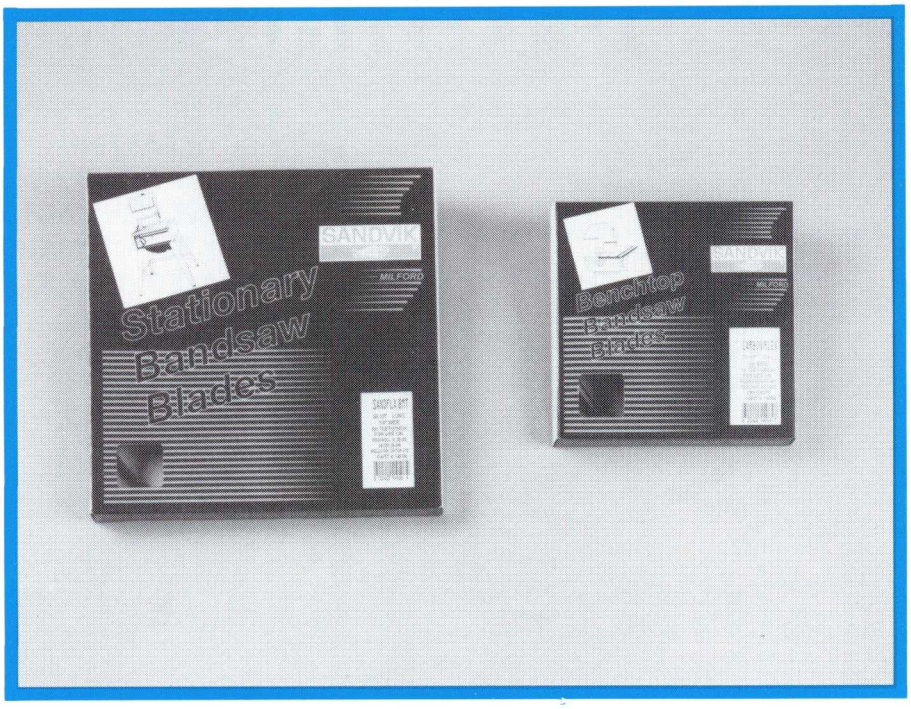
High Hard: Manufactured from high carbon steel with the back of the blade having a special tension tempering that prevents stretching, resists guide wear and results in more accurate cuts per blade. Excellent for cutting mild steel.

Length	Width	Teeth/In	EDI Code	
HIGH HARD			Bulk 100/Box	Std. Pkg. 3
3'8⅞"	½"	10	90277	02277
3'8⅞"	½"	14	90278	02278
3'8⅞"	½"	18	90279	02279
3'8⅞"	½"	24	90557	02557

STATIONARY & BENCHTOP BANDSAW BLADES

STATIONARY & BENCHTOP BANDSAW BLADES

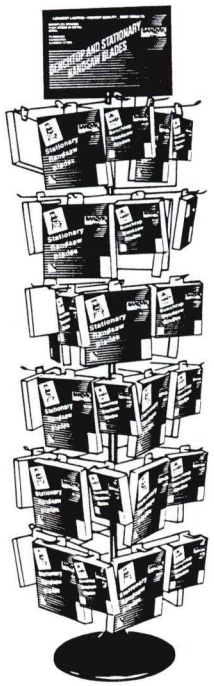
- HARD EDGE, FLEXIBLE BACK CUTS METAL AND WOOD
- SANDFLEX DRAGON BIMETAL OUTLASTS CARBON 10 TO 1
- KITS FOR WOOD & METAL CUTTING
- BLADE WIDTHS FROM 1/16'' to 1/2''
- SIZES FOR ALL POPULAR MACHINES
- BLADE LENGTHS FROM 52¾'' TO 93½''
- ILLUSTRATION ON PACKAGE SHOWS MACHINE THE BLADE FITS
- BAR CODED PACKAGING



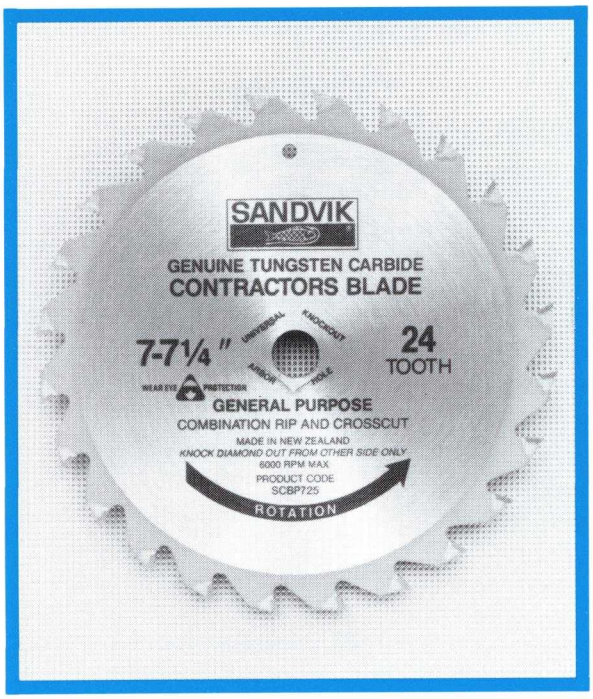
Pkg. Code/EDI	Wdth. Inch	Thick-ness	TPI	Ctn. Qty
52-3/4''				
14051	1/4	.014	6	1
14052	1/4	.014	14	1
14053	3/8	.014	6	1
14108	Kit: 1/4 x 6, 1/4 x 14			2
56-1/8''				
14054	1/4	.014	6	1
14055	1/4	.014	14	1
14056	3/8	.014	6	1
14057	3/8	.014	18	1
14109	KIT: 1/4 x 6, 1/4 x 14			2
57''				
14058	1/4	.014	6	1
14059	1/4	.014	14	1
14060	3/8	.014	6	1
14061	3/8	.014	18	1
14110	KIT: 1/4 x 6, 1/4 x 14			2
59-1/2''				
14062	1/8	.025	14	1
14063	1/4	.014	6	1
14064	1/4	.014	14	1
14065	3/8	.014	6	1
14066	3/8	.014	18	1
14111	KIT: 1/4 x 6, 1/4 x 14			2
62''				
14067	1/8	.025	14	1
14068	1/4	.014	6	1
14069	1/4	.014	14	1
14070	3/8	.014	6	1
14071	3/8	.014	18	1
64-1/2''				
14072	1/2	.020	10	1
14073	1/2	.020	14	1
14074	1/2	.020	18	1
14075	1/2	.020	24	1
14076 BMT*	1/2	.020	14	1
14077 BMT*	1/2	.020	18	1
71-3/4''				
14078	1/16	.02524	1	
14079	1/8	.025	14	1
14080	1/4	.025	6H	1
14081	1/4	.025	14	1
14082	1/4	.025	24	1

Pkg. Code/EDI	Wdth. Inch	Thick-ness	TPI	Ctn. Qty
71-3/4''				
14083	3/8	.025	6H	1
14084	3/8	.025	14	1
14085 BMT*	1/4	.025	6H	1
14112	Kit: 1/4 x 6H, 1/4 x 14			2
72-5/8''				
14114	1/8	.025	14	1
14115	1/4	.025	6H	1
14116	3/8	.025	6H	1
14117	3/8	.025	14	1
14118 BMT*	1/4	.025	6	1
80''				
14086	1/16	.025	24	1
14087	1/8	.025	14	1
14088	1/4	.025	6H	1
14089	1/4	.025	14	1
14090	3/8	.025	6H	1
14091	3/8	.025	14	1
14092	1/2	.025	4H	1
14093	1/2	.025	14	1
14094 BMT*	1/2	.025	4H	1
14095 BMT*	1/2	.025	14	1
14119	KIT: 1/4 x 14, 1/4 x 6H			2
90''				
14096	1/2	.025	4H	1
14097	1/2	.025	14	1
14098 BMT*	1/2	.025	14	1
93-1/2''				
14099	1/8	.025	14	1
14100	1/4	.025	4H	1
14101	1/4	.025	14	1
14102	3/8	.025	4H	1
14103	3/8	.025	14	1
14104	1/2	.025	4H	1
14105	1/2	.025	14	1
14106 BMT*	1/4	.025	6H	1
14120	1/2	.025	14	1
14107 BMT*	1/2	.025	4H	1
14113	KIT: 1/4 x 6H, 1/4 x 14			2

*All Blades, including Kits, are Flexback Flexible Bandsaw Blade material, with the exception of those marked BMT. BMT blades are Sandflex Dragon Bimetal material.



CIRCULAR SAW BLADES



CIRCULAR SAW BLADES

- CARBIDE TIPPED
- ALTERNATE TOP BEVEL GRIND
- CUTS FASTER
- STAYS SHARPER
- CONVENIENT ASSORTMENTS
- 7¼'' TO 10'' DIAMETER
- COATED DECK BLADE FOR TREATED LUMBER
- DADO BLADE
- AVAILABLE IN BULK PACKAGING

EDI NUMBER	PACKAGE CODE	DESCRIPTION	UNITS PER SHELF PK.
CARDED			
8033743	CTC-618	6½''x⅝''x18T General Purpose	10
86108	CTC-716	7 - 7¼''x⅝''x16T Fast Cutting	10
8159818	CTC-720DB	7 - 7¼''x⅝''x20T Deck Building Blade, Green Wood	10
8033750	CTC-724	7 - 7¼''x⅝''x24T General Purpose	10
86112	CTC-740	7¼''x⅝''x40T Smooth Cutting	10
86114	CTC-818	8¼''x⅝''x18T Fast Cutting	10
8033767	CTC-824	8 - 8¼''x⅝''x24T General Purpose	10
8160685	CTC-832	8¼''x⅝''x32T Miter Blade	10
8033774	CTC-930	9''x⅝''x30T General Purpose	10
8152116	CTC-1030	10''x⅝''x30T Fast Cutting	10
8033781	CTC-1040	10''x⅝''x40T Smooth Cutting	10
8160128	CTC-1050	10''x⅝''x50T Combination Rip and Cut Off	10
8160135	CTC-1060	10''x⅝''x60T Finishing Blade	10
8160142	CTC-1060T	10''x⅝''x60T Triple Chip Grind for Wood or Plastic	10

BULK PACKS

EDI NUMBER	PACKAGE CODE	DESCRIPTION	CARTON QUANTITY
BULK PACKS			
8033712	SCBP716	7 - 7¼''x⅝''x16T	25
8159863	SCBP720DB	7 - 7¼''x⅝''x20T Deck Material Blade	25
8033729	SCBP725	7 - 7¼''x⅝''x24T	25
8033736	SCBP740	7 - 7¼''x⅝''x40T	25
8159870	SCBP818	8¼''x⅝''x18T	25
8159887	SCBP832	8¼''x⅝''x32T Excellent for Miter Saws	25

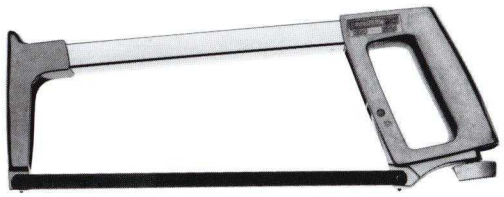
HANDTOOLS

SANDVIK
RAZOR SHARP
SANDFLEX
SUPER HSS BI-METAL
SAFETY BLADE
SHATTERPROOF
12"24TPI
MADE IN SWEDEN
SANDVIK
Lapplander
SANDVIK
268
SANDVIK
SANDFLEX
SUPER HSS BI-METAL
24TPI
MADE IN SWEDEN

HACKSAWS & HACKSAW BLADES

225 PLUS PROFESSIONAL DELUXE HACKSAW

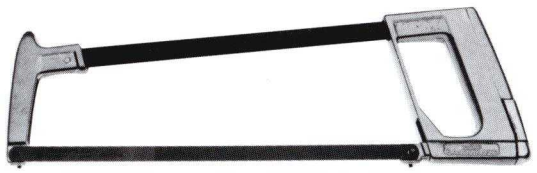
Designed with the professional in mind, this saw features state-of-the-art styling and design, a comfortable grip and knuckle guard. A special tension device in the handle eliminates the awkward wing-nut common in most hacksaws. No part of the frame extends below the blade, making cuts flush with surfaces easy. The blade can be set at two different angles, straight and 55°. A spare blade can be stored in the top of the frame. Comes complete with a 12'' ''Sandflex Bimetal'' blade.



EDI NUMBER	PACKAGE CODE	OVERALL LENGTH	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8029708	225PLUS	15¾ in.	12 in.	24	7.5 lbs.	5

226 PROFESSIONAL HACKSAW

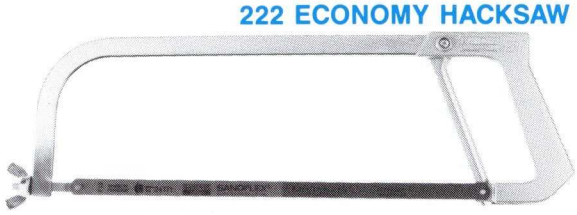
A compact handsaw frame that fits easily into a toolbox but still offers comfort and full control. The blade can be set either straight or at a 55° angle. Frame comes complete with a 12'' ''Sandflex Bimetal'' blade.



EDI NUMBER	PACKAGE CODE	OVERALL LENGTH	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8004323	226	15¾ in.	12 in.	24	6.25 lbs.	5

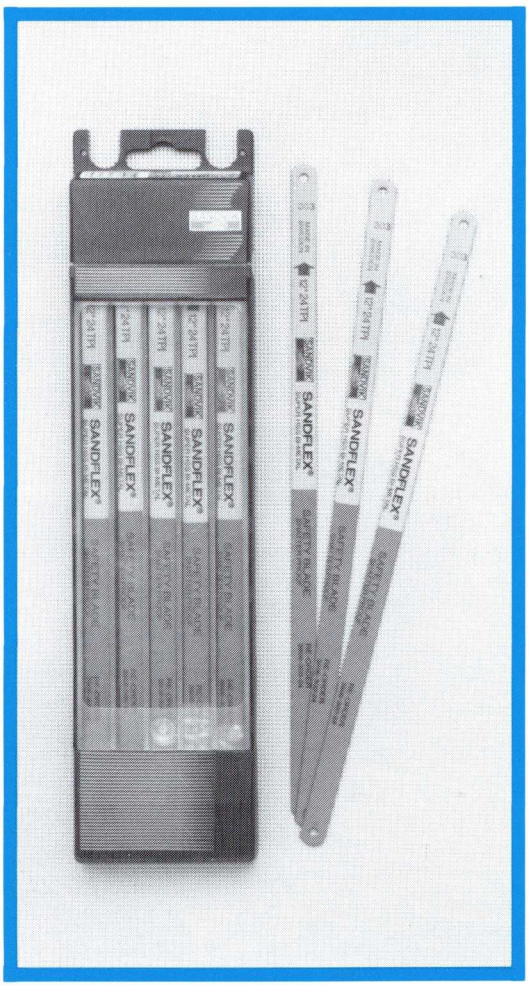
222 ECONOMY HACKSAW

A lightweight economy hack frame constructed of strong tubular steel, chrome plated for rust protection. The handle is die-cast aluminum. The blade can be set on either of the pins to cut 90° or flush. Extra blades can be stored in the frame.



EDI NUMBER	PACKAGE CODE	OVERALL LENGTH	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8011505	222	15¾ in.	12 in.	24	8.58 lbs.	10

BULK BLADES



EDI NUMBER	PACKAGE CODE	TEETH PER IN.	BLADE LENGTH	CARTON WT. LBS.	CARTON QUANTITY
BIMETAL SANDFLEX					
The perfect blades for plumbing and electrical installation work. Ideal for fitting and bench work where high cutting performance and accuracy are necessary. The Sandflex bimetal hacksaw blade has a tooth line of high-alloy, high speed steel that is laser welded in a vacuum to a backing of tough alloy tool steel. The result is exceptional cutting power and wear resistance with flexibility that is superior to edge-hardened or conventional blades. The blade has a blue and orange anti-corrosion finish.					
8034603	3806-250-18-100P	18	10 in.	3.56	100
8034610	3806-250-24-100P	24	10 in.	3.56	100
8034627	3806-250-32-100P	32	10 in.	3.56	100
8034634	3806-300-14-100P	14	12 in.	4.19	100
8034641	3806-300-18-100P	18	12 in.	4.19	100
8034658	3806-300-24-100P	24	12 in.	4.19	100
8034665	3806-300-32-100p	32	12 in.	4.19	100
HIGH SPEED—EDGE HARDENED—CUTFLEX					
A tough, flexible blade specially suited to cutting in hard to reach places where the blade is subject to bending and twisting. Precision-milled and set steel is edge hardened and high speed with a tough, flexible center.					
00112	3808-300-14-100P	14	12 in.	4.19	100
8034801	3808-300-18-100P	18	12 in.	4.19	100
8034818	3808-300-24-100P	24	12 in.	4.19	100
8034825	3808-300-32-100P	32	12 in.	4.19	100
STANDARD FLEXIBLE—GOLDFLEX					
A high-frequency hardened toothline and back but unhardened center result in a flexible blade that is best suited to cutting softer materials.					
8034689	3807-250-18-100P	18	10 in.	3.69	100
8034696	3807-250-24-100P	24	10 in.	3.69	100
00010	3807-250-32-100P	32	10 in.	3.69	100
00011	3807-300-14-100P	14	12 in.	4.19	100
8034764	3807-300-18-100P	18	12 in.	4.25	100
8034771	3807-300-24-100P	24	12 in.	4.25	100
8034788	3807-300-32-100P	32	12 in.	4.25	100

HACKSAWS & HACKSAW BLADES

208 DELUXE MINI HACKSAW

Unique handle design features all-metal construction and a non-slip grip. Handy tool box size with professional quality and features. Ideal for hard to reach areas. Shipped complete with a 10" "Sandflex" blade.

EDI NUMBER	PACKAGE CODE	OVERALL LENGTH	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8017545	208	10½ in.	10 in.	24	2.88 lbs	5

268 PISTOL GRIP JUNIOR HACKSAW

A specially designed handle offers a solid grip without feeling heavy. Blade tension can be adjusted with a separate thumb screw. Handy size travels easily in a toolbox. Carded.

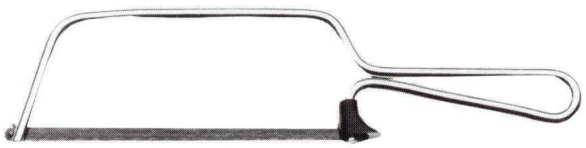
EDI NUMBER	PACKAGE CODE	OVERALL LENGTH	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8017538	268	10 in.	6 in.	32	4.06 lbs.	10

228 STANDARD GRIP JUNIOR HACKSAW

Similar in design to the 301 coping saw, this compact hacksaw offers plenty of cutting control. The blade tension is adjusted by turning the handle. Carded.

EDI NUMBER	PACKAGE CODE	OVERALL LENGTH	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8014995	228	10½ in.	6 in.	32	4.19 lbs.	10

218 ECONOMY WIRE HANDLE JUNIOR HACKSAW



The most economical of the mini hacksaw frames shipped complete with blade. Carded.

EDI NUMBER	PACKAGE CODE	OVERALL LENGTH	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8017521	218	10½ in.	6 in.	32	2.19 lbs.	10

REPLACEMENT BLADES

METAL CUTTING JUNIOR BLADE

Fits 268, 228, 218. Packaged 5 blades per bag.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8031549	228-32-5P	6 in.	32	1.0 lbs.	25 bags

WOOD CUTTING JUNIOR BLADE

Fits 268, 228, 218. Packaged 5 blades per bag.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8031442	228-15-5P	6 in.	15	0.88 lbs.	25 bags

215 ROD SAW JUNIOR BLADE

For the 218 model only. Ideal for cutting glass, ceramics, and tile. Packaged 1 per card.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8017576	215-150	6 in.	—	0.19 lbs.	5

216 ROD SAW BLADE

Suitable for 12" hacksaw frames. Tungsten Carbide rodsaw blade for cutting glass, ceramics, and tile. Packaged 1 per card.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8017798	216-300-R	12 in.	—	0.25 lbs.	5

3809 HEAVY DUTY 5/8" WIDE HACKSAW BLADE

Sandflex Bimetal fits 12" frames. Packaged 1 per card.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
20544	3809-12-⅝-.032-14-US	12 in.	14	0.75 lbs.	10
20555	3809-12-⅝-.032-18-US	12 in.	18	0.75 lbs.	10

3816 CARBIDE HACKSAW BLADE

Fits 12" hacksaw frames. Packaged 1 per card.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8015749	3816-300	12 in.	—	.50 lbs.	5

HANDSAWS/ SPECIALTY SAWS

RAZOR SHARP HANDSAW ASSORTMENT

- **All saws feature computerized precision ground teeth for superior sharpness.**
- **High frequency heat induction hardening makes teeth stay sharp 5 to 10 times longer than non-hardened teeth.**
- **Full range of tooth designs and points per inch for precise, fast cutting in plastic and all wood products, thick or thin; including pvc pipe, veneer, molding and trim, tough composite materials and pressure treated lumber.**
- **Black ergonomic handles with either solid molded grip or anti-slip cushioned grip similar to steel hammers. Can mark 45 and 90 degree angles. Model 287 has a stained wood handle.**

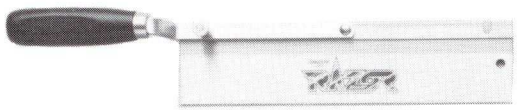
RAZOR SHARP HANDSAWS

Contemporary hardpoint handsaws for cutting today's building materials. Hardpoint, bevel ground toothing yields a superior cut over other handsaws. 2500XT's with XT toothing gives 20% faster cross cuts, 50% faster ripcuts and stays sharp 10 times longer. Sleeved.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.	
25022	2500-22-XT-HP-RZ	22 in.	10	4.56 lbs.	4	
25016	2500-16-XT-HP-RZ	16 in.	10	3.21 lbs.	4	
30014	300-14-F15-HP-RZ	14 in.	16	2.25 lbs.	4	**TOOLBOX**
24422	244-22-U7-HP-RZ	22 in.	8	10.25 lbs.	10	**ECONOMY**
28726	287-26-F7-HP-RZ	26 in.	8	4.51 lbs.	2	**CLASSIC**

312 DOVETAIL SAW - FLUSH CUT REVERSIBLE

Extra fine 16 point hardpoint toothing and an offset handle facilitate high performance sawing with either the left or right hand when access is restricted. Sleeved.



EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
31210	312-10-F15-HP-RZ	10 in.	16	5.19 lbs.	10

324 VENEER SAW - HARDPOINT HIGH PERFORMANCE

Hardpoint toothing and curved nose makes this an excellent choice for cutting a wide range of panelboards and laminates, as well as for starting cuts in the middle of large sized materials. Saw features a one-piece plastic handle. Sleeved.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
32412	324-12-U13-HP-RZ	12 in.	14	2.25 lbs.	4

318 BACKSAW - HARDPOINT HIGH PERFORMANCE

The professional's choice! Hardpoint toothing stays sharp 10 times longer than conventional saws. A heavy steel back gives extra weight and rigidity. Ergonomically designed, two-plastic comfort grip handle offers strength and comfort. This saw achieves a high cutting performance in both wood and man-made materials. Sleeved.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
31814	318-14-U13-HP-RZ	14 in.	14	4.75 lbs.	4

315 COMPASS SAW - HARDPOINT HIGH PERFORMANCE

A compass saw with many applications. A handle saw for cutting wood; plywood; particle board, fiberboard; and plastic. New Hardpoint toothing stays sharper 10 times longer than conventional saws. XT toothing cuts 20% faster on cross-cuts and 50% faster on ripcuts. A comfortable plastic handle makes the 315 saw lightweight and easy to use. Sleeved.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
31512	**315-12-XT-HP-RZ**	**14 in.**	**8**	**1.38 lbs.**	**4**

2600XT - XT TOOTHING & LOW FRICTION SURFACE

All the same features as the 2500XT described above, including XT Toothing. In addition, this saw has a unique surface protection which reduces friction between the saw blade and the workpiece by up to 20%. The surface is extremely durable, resists rust, and is so strong, it won't crack or wear off. Unique snap-on/snap-off tooth guard.

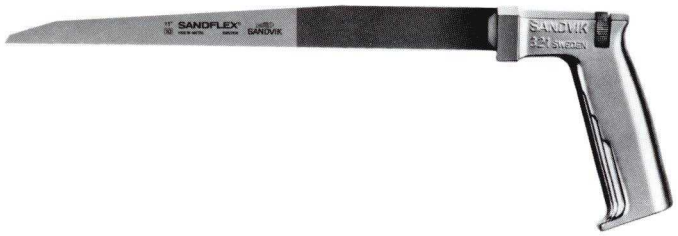
EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8160777	2600-22-XT-HP-RZ	22 in.	10	5.00 lbs.	4

SPECIALTY SAWS

321 PROFESSIONAL HEAVY DUTY COMPASS SAW

An all around compass saw for metal, wood, and other tough materials. The handle is plastic coated for a safe, comfortable grip. The blade attachment allows for quick, easy angle change (8 positions). The saw comes with a "Sandflex" bi-metal blade.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8001841	321	11 in.	24	4.06 lbs.	5
8129132	321-24-SB	11 in.	24	1.5 lbs.	10
8129149	321-7-SB	11 in.	7	1.38 lbs.	10



314 VENEER SAW CONTEMPORARY

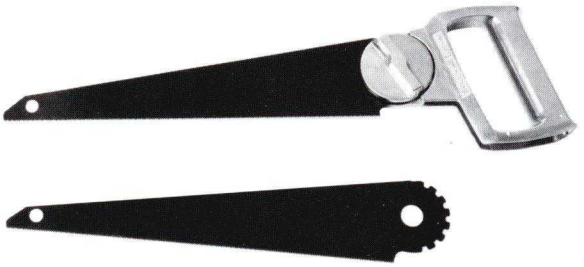
An all-around saw with universal toothing for sawing wood and porous materials. Curved nose with fine toothing for starting a kerf in the middle of a surface. Saw features a one-piece plastic handle. Sleeved.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8001988	314-12-U13/14	12 in.	14	2.06 lbs.	4

369 GENERAL PURPOSE SAW

This versatile saw is the perfect size for the toolbox. Strong and sturdy, the saw features hardpoint toothing and a black coated blade for rust protection. The cast aluminum handle is adjustable to various angles within a 90° range. Ideal for sawing wood, soft metals, PVC, and man made materials.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8016524	369	12 in.	14	4.06 lbs.	4
8016531	369-Blade	12 in.	14	3.50 lbs.	10



5 WALLBOARD SAW–HEAVY DUTY

This heavy duty saw with extra deep blade and tooth gullets for quick, efficient stock removal make this saw ideal for drywall. Natural hardwood handle.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8032388	5	15 in.	—	7.38 lbs.	6

6 WALLBOARD SAW

Heavy gauge steel blade with extra deep tooth gullets for high capacity stock removal. Hardwood handle with convenient hook for hanging saw. Perfect for drywall.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8030599	6	6 in.	—	1.69 lbs.	6

396 FOLDABLE SAWS

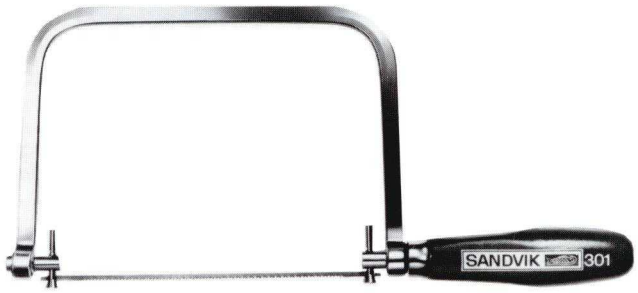
The 396 Series with XT toothing lasts up to 10 times longer than similar saws. The handle is lightweight and comfortable even after hours of use. The 396 JT has special toothing for smooth cutting of green wood. The LAP is the Laplander version of the 396 with a unique low friction anti-rust coated blade. Camouflage Style A unique safety lock holds blade open and closed. PROF-H is a handy holster that attaches to your belt for safe and convenient access to your 396 Saw.

EDI NUMBER	PACKAGE CODE	TOOTHING	COLAPSED LENGTH	WT. EA.	STD. PK.
8128999	396 HP	XT	9 in.	6 oz.	4
8172367	396-LAP	XT	9 in.	6 oz.	10
8168056	396-JT	JT	9 in.	6 oz.	4
8168063	396-JT-Blade	JT	-	3 oz.	1
8158439	PROF-H	-	-	3 oz.	12

SPECIALTY SAWS

FRET SAWS

301 COPING SAW



The best choice for cutting curves in floorboards, woods, plastic laminates, and glass fiber. The sturdy professional quality steel frame has a 5 inch cutting depth and an orange laquered wood handle. The hardened carbon steel blade can be angled or replaced by turning the handle.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8001384	301	6.5 in.	5	5.5 lbs.	6

303 STANDARD REPLACEMENT BLADES

Hardened carbon steel suitable for wood cutting and other soft materials including plastics.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8101169	303-5P	6.5 in.	15	0.25 lbs.	5

216 ROD SAW BLADES

Suitable for sawing glass, ceramics, tiles, aluminum, plastic, rubber, stone, and mild steel.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8017583	216-150-R	6 in.	—	0.19 lbs.	5

COPING SAWS

302 FRET SAWS

This specialty saw features the same quality professional features of the 301 coping saw but with a 12 inch cutting depth for use by hobbyists, model-makers and other enthusiasts.

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	PTS. PER IN.	CTN. WT.	CTN. QTY.
8013349	302	5 in.	—	5.75 lbs.	6

FRET SAW BLADES

EDI NUMBER	PACKAGE CODE	BLADE LENGTH	CTN. QTY.	OTHER COMMON DESIGNATIONS
WOOD CUTTING				
8013356	302-51W-12P	5	12	No. 1/Fine
8013363	302-53W-12P	5	12	No. 3/Medium
8013370	302-55W-12P	5	12	No. 5/Coarse
8013387	302-57W-12P	5	12	No. 7/X-Coarse
METAL CUTTING				
8013394	302-71M-12P	5	12	No. 1/Fine
8013400	302-73M-12P	5	12	No. 3/Medium
8013417	302-75M-12P	5	12	No. 5/Coarse
SPIRAL				
8013677	302-81S-12P	5	12	No. 1/Fine
8013684	302-83S-12P	5	12	No. 3/Coarse
FRET SAW BLADE SET				
8017590	302-6X4P			24 blades in a plastic pouch/4 each; 51W, 53W, 55W, 57W, 73M, 83S

HAMMERS

427 CLAW HAMMER

The head, of drop-forged tool steel, is lacquered in a matt finish to protect against dirt, water, and rust. The face and claw are individually hardened leaving the section around the eye unhardened. The wood handle is secured to the head by a hidden steel wedge and sealed with epoxy. Best quality hickory shaft is ergonomically designed to have a thicker section at the center of the palm.

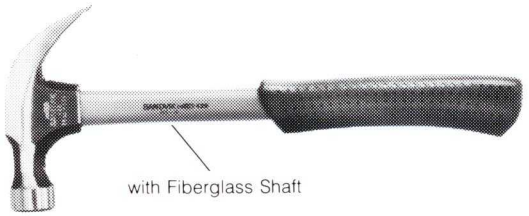
EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	WT. OF HEAD	CTN. WT.	CTN. QTY.
8012359	427-16	12 in.	16 oz.	6.50 lbs.	4
8012536	427-20	14 in.	20 oz.	7.13 lbs.	4

with Wood Shaft

428 CLAW HAMMER

The head of drop-forged tool steel is lacquered in a matt finish to protect against dirt, water, and rust. The face and claw are individually hardened, leaving the section around the eye unhardened. The lightweight, comfortable fiberglass handle has a compound grip for a firm, anti-slip grip that absorbs shock and reduces fatigue.

EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	WT. OF HEAD	CTN. WT.	CTN. QTY.
8012243	428-13	12 in.	13 oz.	5.38 lbs.	4
8012380	428-16	12 in.	16 oz.	6.88 lbs.	4
8012397	428-20	13 in.	20 oz.	7.06 lbs.	4


with Fiberglass Shaft

429 HEAVY DUTY CLAW HAMMER

Guaranteed to stand a bending load of 300 lbs. for the 16 and 20 oz. heads and up to 200 lbs. for the 13 oz. head! The shaft is made of a special high-tension manganese steel tube. The grip is made of a unique compound for a comfortable anti-slip grip, improved shock absorption and reduced fatigue.

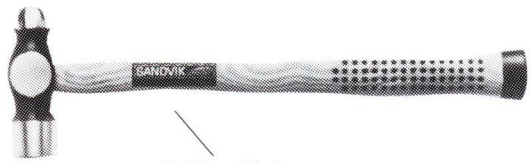
EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	WT. OF HEAD	CTN. WT.	CTN. QTY.
8012250	429-13	12 in.	13 oz.	5.19 lbs.	4
8012403	429-16	12 in.	16 oz.	7.06 lbs.	4
8012410	429-20	14 in.	20 oz.	8.00 lbs.	4

with Steel Shaft

479 BALL PIEN

For striking cold chisels, punches, rivets, and for shaping metal. The head of drop-forged tool steel is secured twice to the handle by hidden steel wedges and then sealed with epoxy. The face and claw are individually hardened, leaving the section around the eye unhardened. The head is protected from rust by a clear lacquer. The handle is ergonomically designed to have a thicker section in the center of the palm.

EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	WT. OF HEAD	CTN. WT.	CTN. QTY.
8025441	479-08	11 in.	8 oz.	2.56 lbs.	4
8025458	479-12	12 in.	12 oz.	3.88 lbs.	4
8025465	479-16	12 in.	16 oz.	5.00 lbs.	4
8025472	479-24	15 in.	24 oz.	7.88 lbs.	4
8025489	479-32	15 in.	32 oz.	9.50 lbs.	4



with Wood Shaft

486 BRICK HAMMER

For setting and splitting bricks, tiles, and concrete blocks. The head of drop-forged tool steel has a highly polished blade edge and a square, flat face with beveled edges. The tubular steel shaft has a compound grip for a comfortable, anti-slip grip.

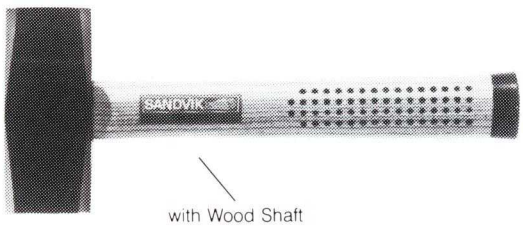
EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	WT. OF HEAD	CTN. WT.	CTN. QTY.
8005160	486	11 in.	1.25 lbs.	8.06 lbs.	4

with Steel Shaft

484 HAND DRILLING HAMMER (Mini Sledge)

The head of drop-forged tool steel is secured to the handle twice by a hidden wedge and sealed with an epoxy compound. The head has a broad striking face and beveled edges for striking in areas where a full swing is restricted. Designed for use with cold chisels, brick chisels, star drills, punches, and hardened nails.

EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	WT. OF HEAD	CTN. WT.	CTN. QTY.
8005122	484-1000	10 in.	2.50 lbs.	4.56 lbs.	2
8005139	484-1250	10 in.	2.75 lbs.	5.31 lbs.	2
8005146	484-1500	10 in.	3.50 lbs.	6.56 lbs.	2



with Wood Shaft

SCRAPERS

SCRAPERS

Tungsten carbide blades are 2.5 times harder than hardened steel–and stay sharp and productive 50 times longer than a typical steel scraper. Though the Sandvik scraper works beautifully on ordinary jobs such as paint and wood, it's strength and durability make it ideal for tougher jobs, such as scraping plaster, fillers, fiberglass reinforced plastics, even scraping rusty iron fences or bridge rails.

440 UTILITY SCRAPER

The 2 inch tungsten carbide blade is ideal for removing paint, glue, varnish, and rust on a wide variety of surfaces. The cast aluminum shaft and ergonomic plastic grip are designed for a comfortable, non-tiring grip. The blade is ground to a slight curve to reduce the risk of the corners scratching the work surface. The blade can be clamped for either pull or push strokes. Blade has two very long lasting edges.

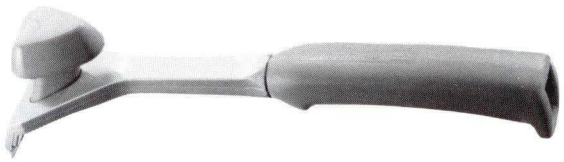
EDI NUMBER	PACKAGE CODE	BLADE WIDTH	CTN. WT.	CTN. QTY.
8014476	440	2 in.	1.69 lbs.	4

448 MINI SCRAPER

Triangular 1 inch wide blade is designed for scraping in restricted areas. The blade is ground to a slight curve to reduce the risk of the corners scratching the work surface. The cast aluminum shaft and ergonomic plastic grip are designed for a comfortable, non-tiring grip. The blade can be clamped for either pull or push strokes and with either a straight edge or a corner in the working position. The blade has three edges which can be used before replacement.

EDI NUMBER	PACKAGE CODE	BLADE WIDTH	CTN. WT.	CTN. QTY.
8014483	448	1 in.	1.56 lbs.	4

450 HEAVY DUTY SCRAPER



The 450 Heavy Duty Scraper has all the quality features of the 440 and 448, but with a wider blade for greater scraping ability and an extra grip on the handle for increased scraping pressure. The blade is clamped for work on the pull stroke. Blade has two edges which can be used before replacement.

EDI NUMBER	PACKAGE CODE	BLADE WIDTH	CTN. WT.	CTN. QTY.
8014490	450	2.5 in.	2.63 lbs.	4

REPLACEMENT BLADES

EDI NUMBER	PACKAGE CODE	REPLACEMENT FOR	BLADE WIDTH	CTN. WT.	CTN. QTY.
8005337	449	448	1 in.	.25 lbs.	10
8002848	442	440	2 in.	.25 lbs.	10
8014506	451	450	2.5 in.	.38 lbs.	10

CABINET SCRAPERS

High grade Swedish steel retains it's sharpness longer than similarly designed scrapers. Polished edges allow instant sharpening. The ideal tool for removing milling marks and for final smoothing. A favorite among cabinetmakers.

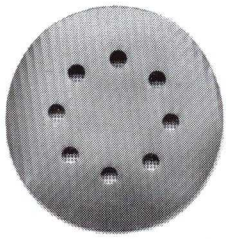
EDI NUMBER	PACKAGE CODE	LENGTH	WIDTH	THICKNESS	CTN. WT.	CTN. QTY.
8029883	474-150-0.80	6 in.	2.5 in.	.030 in.	1.88 lbs.	10
8029050	474-125-0.60	5 in.	2.5 in.	.020 in.	1.25 lbs.	10
8030421	475-150-0.80	6 in.	2.5 in.	.030 in.	1.88 lbs.	10

SANDPLATE STEEL SANDPAPER

FOR POWER TOOLS

SANDPLATE SANDING DISC 410

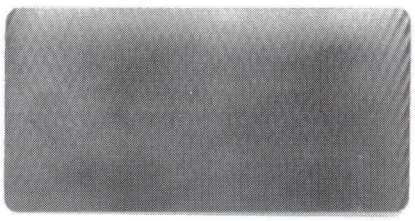
A thin steel plate etched with acid to produce thousands of small points with sharp edges. A sandpaper of hardened steel with a velcro fitted backing. Fits random orbit sanding machines with a 4½" or 5" diameter such as Bosch, Kress and Peugeot. Precision etched cutting points remove the material up to 12 times faster than ordinary sandpaper when sanding bare wood. Does not rip or tear. Eight holes for dust extraction.



EDI NUMBER	PACKAGE CODE	PRODUCT DESCRIPTION/GRIT	CTN. WT.	CTN. QTY.
8140434	410-115-50	4½" Dia. Coarse (50 sq. cm.)	0.5	5
8140441	410-115-160	4½" Dia. Medium (160 sq. cm.)	0.5	5
8140458	410-115-300	4½" Dia. Fine (300 sq. cm.)	0.5	5
8140465	410-125-50	5½" Dia. Coarse (50 sq. cm.)	0.5	5
8140472	410-125-160	5½" Dia. Medium (160 sq. cm.)	0.5	5
8140489	410-125-300	5½" Dia. Fine (300 sq. cm.)	0.5	5

SANDPLATE SANDING SHEET, RECTANGULAR 410

A thin steel plate etched with acid to produce thousands of small points with sharp edges. A sandpaper of hardened steel witha velcro fitted backing. Fits all orbital sanders including Bosch, Black and Decker etc. Precision etched cutting points remove the material faster than ordinary sandpaper and leave a smooth surface.

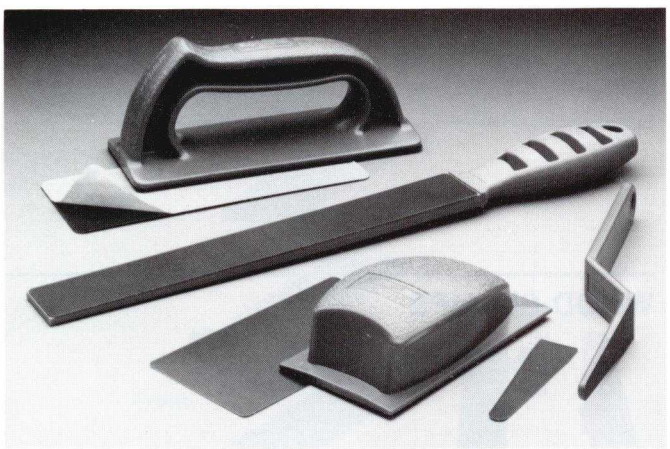


EDI NUMBER	PACKAGE CODE	PRODUCT DESCRIPTION/GRIT	CTN. WT.	CTN. QTY.
8044817	410-2R-50	3⅝"x7½" Coarse (50 sq. cm.)	1.4	10
8044824	410-2R-160	3⅝"x7½" Med. (160 sq. cm.)	1.4	10
8044831	410-2R-300	3⅝"x7½" Fine (300 sq. cm.)	1.4	10
Dimensions: ½ sheet velcro with adhesive backing.				
8044848	410-1R-50	4½"x9" Coarse (50 sq. cm.)	1.6	10
8044855	410-1R-160	4½"x9" Medium (160 sq. cm.)	1.6	10
8044862	410-1R-300	4½"x9" Fine (300 sq. cm.)	1.6	10
8044879	535-1R	4½"x9" Velcro-Type Hook/Loop Sheets	1.6	10

FOR HAND APPLICATIONS

SANDPLATE

Works 5 times faster and lasts 100 times longer than regular sandpaper! Made by etching thin plates of steel with acid, the resulting thousands of small points have sharp, long-lasting edges that shave away material. Tools ship complete with replaceable adhesive-backed plates. Works well on most materials including fillers and plaster, wood, plastics and more.



EDI NUMBER	PACKAGE CODE	PRODUCT DESCRIPTION	CTN. WT.	CTN. QTY.
8014384	403-50	Flexible file-shaped Sander, Coarse	1.10 lbs.	4
8014391	404-300	Small Hobby Sander, Fine	0.44 lbs.	6
8014414	405-160	Trowel-type holder, Medium	1.65 lbs.	4
8007737	415-50	Palm-held holder, Coarse	0.66 lbs.	4
8007744	415-160	Palm-held holder, Medium	0.66 lbs.	4
REPLACEMENT PLATES				
8007690	412-1-50	Sanding Plate for 415-50/160 Holders—Coarse	1.43 lbs.	25
8007706	412-1-160	Sanding Plate for 415-50/160 Holders—Medium	1.43 lbs.	25
8014469	412-3-50	Sanding Plate for 403-50 Holder—Coarse	1.65 lbs.	25
8014421	412-3-160	Sanding Plate for 403-50 Holder—Medium	1.65 lbs.	25
8014438	412-4-300	Sanding Plate for 404-300 Holder—Fine	0.55 lbs.	25
8014445	412-5-50	Sanding Plate for 405-160 Holder—Coarse	1.76 lbs.	25
8014452	412-5-160	Sanding Plate for 405-160 Holder—Medium	1.76 lbs.	25

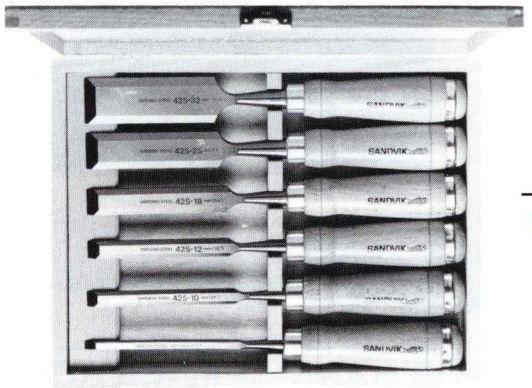
CHISELS, GOUGES & WOOD CLAMPS

425 WOOD HANDLE CHISELS

Beechwood handled chisels are made of the finest tool steel. The shoulder and tang have been given a lower hardness and a tougher structure than the blade, enabling the chisel to withstand heavy impact and breaking forces. The face and bevel edge are specially ground to reduce friction and keep the chisel sharp throughout its' life. The blade is coated with plastic for rust protection. Shipped in tough plastic cases for in-store display, the cases are reusable as protective holders by consumers.

EDI NUMBER	PACKAGE CODE	BLADE WIDTH	BLADE LENGTH	CTN. WT.	CTN. QTY.
8004590	425-6	¼ in.	5½ in.	1.06 lbs.	4
8004613	425-10	⅜ in.	5½ in.	1.19 lbs.	4
8004620	425-12	½ in.	5½ in.	1.19 lbs.	4
8004651	425-18	¾ in.	5½ in.	1.50 lbs.	4
8004682	425-25	1 in.	5½ in.	1.75 lbs.	4
8004712	425-32	1¼ in.	5½ in.	1.88 lbs.	4
8004729	425-38	1½ in.	5½ in.	2.06 lbs.	4

424 PLASTIC HANDLE CHISELS



World famous "Fish and Hook" brand chisels are made of the finest quality tool steel. The lower hardness and tougher structure of the shoulder and tang enable the chisels to withstand heavy impact and breaking forces. The impact-resistant black acetate handles make these chisels that craftsmen and professionals will be proud to own for many years. Shipped in reusable tough plastic cases that act as display cases for retailers and protective holders for consumers.

EDI NUMBER	PACKAGE CODE	BLADE WIDTH	BLADE LENGTH	CTN. WT.	CTN. QTY.
8004033	424-6	¼ in.	5½ in.	1.38 lbs.	4
8004057	424-10	⅜ in.	5½ in.	1.38 lbs.	4
8004064	424-12	½ in.	5½ in.	1.56 lbs.	4
8004096	424-18	¾ in.	5½ in.	1.75 lbs.	4
8004125	424-25	1 in.	5½ in.	2.00 lbs.	4
8004156	424-32	1¼ in.	5½ in.	2.25 lbs.	4
8004163	424-38	1½ in.	5½ in.	2.25 lbs.	4

CHISEL SETS

Set of 6 wood or plastic handle chisels attractively gift-boxed in a sturdy wooden presentation case. Set includes ¼", ⅜", ¾", 1", and 1¼".

EDI NUMBER	PACKAGE CODE	PRODUCT DESCRIPTION	CTN. WT.	CTN. QTY.
8010683	425-083	6 wooden handle chisels/case	2.88 lbs.	1
8010645	424-083	6 plastic handle chisels/case	3.25 lbs.	1

GOUGES

Developed especially for cutting holes and grooves. The handles are made of impact-resistant black acetate plastic. Each gouge is individually packaged in a protective, reusable display case.

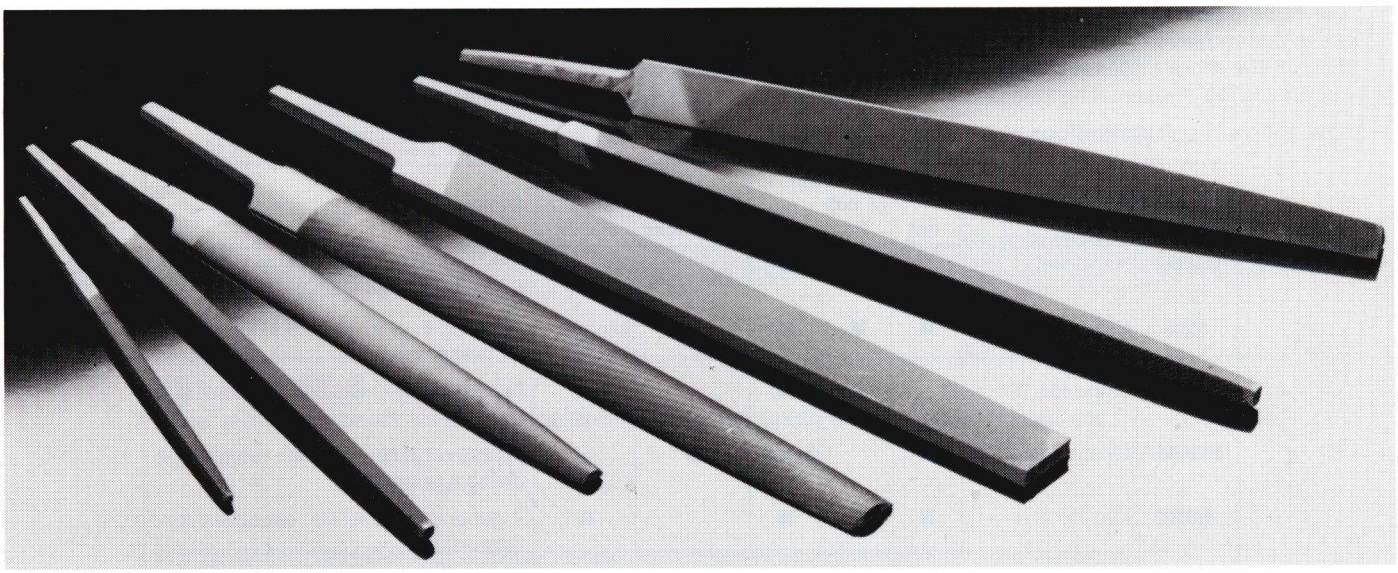
EDI NUMBER	PACKAGE CODE	BLADE WIDTH	BLADE LENGTH	CTN. WT.	CTN. QTY.
8010553	422-6	¼ in.	5½ in.	1.25 lbs.	4
8010560	422-10	⅜ in.	5½ in.	1.25 lbs.	4
8010577	422-12	½ in.	5½ in.	1.38 lbs.	4
8010584	422-16	⅝ in.	5½ in.	1.56 lbs.	4
8010591	422-18	¾ in.	5½ in.	1.69 lbs.	4
8010607	422-25	1 in.	5½ in.	2.00 lbs.	4

WOOD CLAMPS

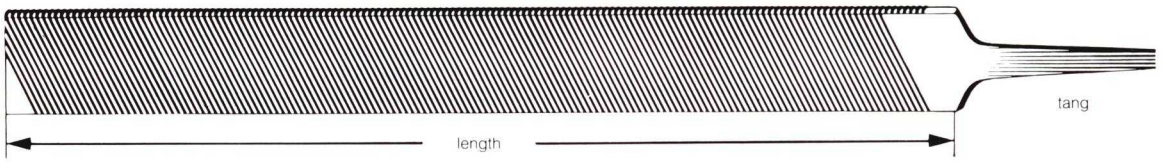
Rail and steel screws are galvanized to prevent rust.
Swivel head is secured to the screw and allows clamping of irregularly shaped parts without parallel surfaces.
Screw grip of very tough plastic has square center section allowing the use of a wrench.

EDI NUMBER	PACKAGE CODE	DEPTH INCHES	MAX. OPENING INCHES	CTN. WT.	CTN. QTY.
8005177	430-50-100	2	4	3.75 lbs.	6
8005207	430-100-200	4	8	8.31 lbs.	6
8005221	430-140-300	5½	12	29.38 lbs.	6
8101244	430-175-400	7	16	35.06 lbs.	6
8005245	430-120-500	5	20	38.88 lbs.	6
8005252	430-120-600	5	24	41.88 lbs.	6

GENERAL FILE INFORMATION



The file length
is always given exclusive of the tang. Files are available between 4" (100 mm) and 16" (400 mm) in length, depending on type.

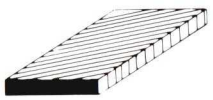


The shape of the file
is determined by the shape of the workpiece. There is a file for every type of work.

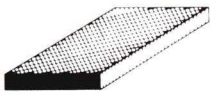
Type of Cut
File cut should be selected for the material of the workpiece, the desired removal of material and the surface finish.

Cut Coarseness
The number of teeth per inch determines the cut coarseness. As the number of teeth per inch decreases, the degree of coarseness and length of the file increases.

Single Cut
Cuts steel.

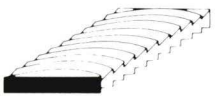


Double Cut
Cuts steel, cast iron, brass, and bronze.

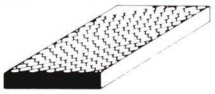


Rasp Cut
Cuts hard plastics, wood, aluminum and spongy materials.

Milled tooth
Cuts steel, brass, bronze, hard plastics, wood, aluminum and sponge materials.



Multi-Metal (Oberg Cut)
Cuts steel, cast iron, brass, bronze, hard plastics, and wood.



Bastard

Second Cut

Smooth

Selection
of cut is selected according to the material of the workpiece, the desired removal of material and the surface finish.

COMMON USES OF ENGINEERING FILES

The table below provides general guidelines on files and their most common uses. The shape, cut and coarseness of the file is dependent to a high degree on the type of work to be done and the desired result. The main rule is that the coarser the cut, the more material is removed. If, however, a particular work operation requires a smooth finish, a file with a smooth cut should be chosen. The needle files have the same functions, but on a smaller scale.

The following abbreviations are used in the tables: bst = bastard, 2c = 2nd cut, sm = smooth.

Profile	Name of file	Coarseness of cut			File pointed		General use
		bst	2c	sm	thickness	width	
	Hand file	■	■	■			Universal material removal file, especially on shoulder.
	Pillar file narrow hand 102	■	■	■	■		For filing in grooves and slots. Ideal for precision work.
	Lathe file 104		■	■			For polishing and deburring work in lathes.
	Öberg Cut 106	■			■		An all-round file with high removal, giving a good finish.
	Flat file 110	■	■	■		■	A general removal file, especially for flat surfaces.
	Warding file 111	■	■	■		■	An ideal file for filing grooves, slots and key cuts.
	Mill bastard 143	■				■	A good file that gives a smooth finish in polishing and deburring work and in the sharpening of edge tools.
	Diagonal file 320		■				A file with an aggressive tooth shape, especially suitable for stainless steel and hard-to-work materials.
	Square file 160	■	■	■	■	■	Used to file inside corners and square slots.
	Three square file 170	■	■	■	■	■	Used to file sharp inside corners, angles, etc.
	Half round file 210	■	■	■	■	■	All-round file for flat and concave surfaces and large holes.
	Round file 230	■	■	■	■		For filing holes and round surfaces as well as fillets.
	Knife file 250	■	■	■		■	For filing narrow grooves and passages and deburring teeth.

CHOOSING A FILE

ACCORDING TO THE WORK MATERIAL

	Single cut	Double cut			Multi-metal	Mill tooth	Rasp
		bst	2c	sm			
Hardened steel	●	◒	●	●	◒		
Unhardened steel	◒	●	●	●	●	●	
Cast iron		●	●	◒	●		
Brass Bronze		●	●	◒	●	◒	
Wood and hard plastics					◒	◒	●
Aluminum Clogging Materials		◒				●	◒

ACCORDING TO THE WORK OPERATION

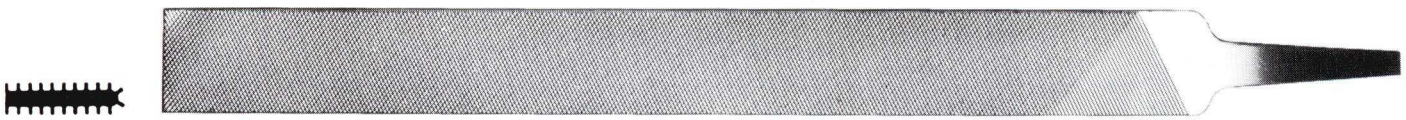
	Single cut	Double cut			Multi-metal	Mill tooth *car bodies	Rasp
		bst	2c	sm			
Fine filing Sharpening	●		◒	●	◒	●	
Deburring Edging	●	◒	●	●	◒	◒	
Rough filing Material removal		●			●		●

● = Best choice recommended ◒ = Good choice adequate

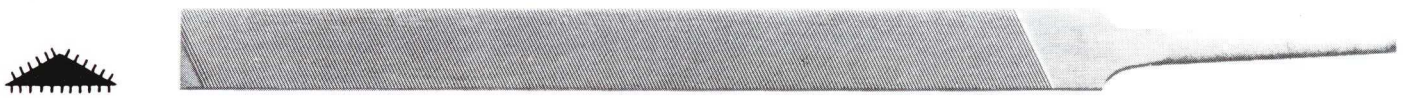
FILES

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
	178 AUGER BIT					
	Designed for sharpening cutting edges of bits.					
	82000	4-178-07-1-0	Single	7"	1.81 lbs.	10

	151 AXE FILE					
	A file with one smooth side, one side 2nd cut for sharpening axes, spades, knives, etc.					
	8021078	4-151-10-1-0 2nd cut	smooth/	10"	6.50 lbs.	12



	180 CANTSAW FILE					
	For sharpening crosscut saws, circular saw blades, and for sharpening saw teeth with an angle of less than 60°.					
	82004	4-180-06-1-0	Single	6"	1.50 lbs.	10
	82006	4-180-08-1-0	Single	8"	3.19 lbs.	10
	82008	4-180-10-1-0	Single	10"	5.38 lbs.	10



	265 CROSS CUT FILE—GREAT AMERICAN					
	For sharpening a wide variety of crosscut saws. The rounded back is used for deepening the gullets of saw teeth.					
	8116194	4-265-08-1-0	Single	8"	1.81 lbs.	10
	8116200	4-265-10-1-0	Single	10"	5.38 lbs.	10

	155 DOUBLE DUTY					
	For general filling and work with laminates.					
	82014	4-155-08-2-0	one side Bastard	8"	3.31 lbs.	10
	82016	4-155-10-2-0	one side	10"	5.63 lbs.	10

FILES

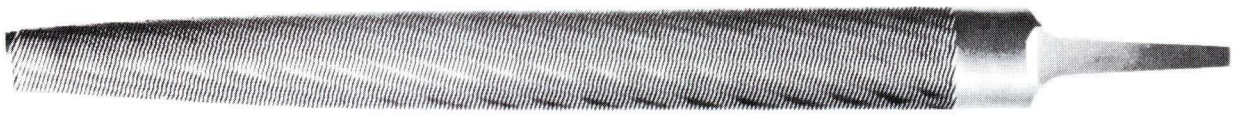
Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
	110 FLAT FILE					
	For filling flat surfaces, sharp corners, and shoulders as well as for deburring. Useful for sharpening heavy implements. Sometimes preferred over the 100 Hand File because the pointed shape enables the user to get more easily into angles and corners.					
	82018	1-110-14-0-0	Bst./Crse.	14''	6.50 lbs.	10
	8019334	1-110-04-1-0	Bastard	4''	0.63 lbs.	10
	8019358	1-110-06-1-0	Bastard	6''	1.50 lbs.	10
	8019389	1-110-08-1-0	Bastard	8''	3.19 lbs.	10
	8019419	1-110-10-1-0	Bastard	10''	5.38 lbs.	10
	8019440	1-110-12-1-0	Bastard	12''	8.31 lbs.	10
	8019488	1-110-14-1-0	Bastard	14''	12.63 lbs.	10
	82032	1-110-16-1-0	Bastard	16''	7.50 lbs.	10
	8019341	1-110-04-2-0	2nd Cut	4''	0.63 lbs.	10
	8019365	1-110-06-2-0	2nd Cut	6''	1.50 lbs.	10
	8019396	1-110-08-2-0	2nd Cut	8''	3.19 lbs.	10
	8019426	1-110-10-2-0	2nd Cut	10''	5.38 lbs.	10
	8019457	1-110-12-2-0	2nd Cut	12''	8.31 lbs.	10
	8019495	1-110-14-2-0	2nd Cut	14''	12.63 lbs.	10
	8044046	1-110-04-3-0	Smooth	4''	0.63 lbs.	10
	8019372	1-110-06-3-0	Smooth	6''	1.50 lbs.	10
	8019402	1-110-08-3-0	Smooth	8''	3.19 lbs.	10
	8019433	1-110-10-3-0	Smooth	10''	5.38 lbs.	10
	8019464	1-110-12-3-0	Smooth	12''	8.31 lbs.	10
	8019501	1-110-14-3-0	Smooth	14''	12.63 lbs.	10

	149 GULLET FILE					
	For deepening the gullets of saw blades, filing circular openings, and concave surfaces.					
	82058	4-149-10-1-0	Single	10''	3.31 lbs.	10

210 HALF ROUND FILE

For filing concave and flat surfaces and large holes. Also for deburring work.

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
	8020071	1-210-04-1-0	Bastard	4"	0.38 lbs.	10
	8020101	1-210-06-1-0	Bastard	6"	1.31 lbs.	10
	8020132	1-210-08-1-0	Bastard	8"	2.69 lbs.	10
	8020163	1-210-10-1-0	Bastard	10"	6.00 lbs.	10
	8020194	1-210-12-1-0	Bastard	12"	9.81 lbs.	10
	8020224	1-210-14-1-0	Bastard	14"	13.88 lbs.	10
	8020088	1-210-04-2-0	2nd Cut	4"	0.38 lbs.	10
	8020118	1-210-06-2-0	2nd Cut	6"	1.31 lbs.	10
	8020149	1-210-08-2-0	2nd Cut	8"	2.69 lbs.	10
	8010270	1-210-10-2-0	2nd Cut	10"	6.00 lbs.	10
	8020200	1-210-12-2-0	2nd Cut	12"	9.81 lbs.	10
	8044077	1-210-14-2-0	2nd Cut	14"	13.88 lbs.	10
	8020095	1-210-04-3-0	Smooth	4"	0.38 lbs.	10
	8020125	1-210-06-3-0	Smooth	6"	1.31 lbs.	10
	8020156	1-210-08-3-0	Smooth	8"	2.69 lbs.	10
	8020187	1-210-10-3-0	Smooth	10"	6.00 lbs.	10
	8029217	1-210-12-3-0	Smooth	12"	9.81 lbs.	10
	8044091	1-210-14-3-0	Smooth	14"	13.88 lbs.	10



100 HAND FILE

For filing flat surfaces, sharp corners, and shoulders as well as for deburring.

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
	8019037	1-100-06-1-0	Bastard	6"	1.50 lbs.	10
	8010968	1-100-08-1-0	Bastard	8"	3.19 lbs.	10
	8019099	1-100-10-1-0	Bastard	10"	5.38 lbs.	10
	8019129	1-100-12-1-0	Bastard	12"	8.31 lbs.	10
	8019044	1-100-06-2-0	2nd Cut	6"	1.50 lbs.	10
	8019075	1-100-08-2-0	2nd Cut	8"	3.19 lbs.	10
	8019015	1-100-10-2-0	2nd Cut	10"	5.38 lbs.	10
	8019136	1-100-12-2-0	2nd Cut	12"	8.31 lbs.	10
	8019051	1-100-06-3-0	Smooth	6"	1.50 lbs.	10
	8019082	1-100-08-3-0	Smooth	8"	3.19 lbs.	10
	8019112	1-100-10-3-0	Smooth	10"	5.38 lbs.	10
	8019143	1-100-12-3-0	Smooth	12"	8.31 lbs.	10

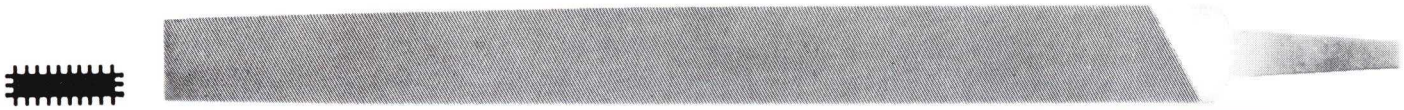
FILES

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
	250 KNIFE FILE					
	For filing narrow passages in cutting and punching tools, deburring narrow grooves, and flanks on gear teeth.					
	82126	1-250-04-1-0	Bastard	4"	0.38 lbs.	10
	8044114	1-250-06-1-0	Bastard	6"	0.88 lbs.	10
	8020415	1-250-08-1-0	Bastard	8"	1.88 lbs.	10
	8020446	1-250-10-1-0	Bastard	10"	3.50 lbs.	10
	82134	1-250-04-2-0	2nd Cut	4"	0.38 lbs.	10
	8020408	1-250-06-2-0	2nd Cut	6"	0.88 lbs.	10
	8020422	1-250-08-2-0	2nd Cut	8"	1.88 lbs.	10
	8020453	1-250-10-2-9	2nd Cut	10"	3.50 lbs.	10
	82142	1-250-04-3-0	Smooth	4"	0.38 lbs.	10
	8044121	1-250-06-3-0	Smooth	6"	0.88 lbs.	10
	8020439	1-250-08-3-0	Smooth	8"	1.88 lbs.	10
	8020460	1-250-10-3-0	Smooth	10"	3.50 lbs.	10

	104 LONG ANGLE LATHE FILE					
	For polishing and deburring work in lathes. Releases chips easily and produces smooth surfaces.					
	8019242	1-104-10-1-0	Bastard	10"	5.69 lbs.	10
	8019266	1-104-12-1-0	Bastard	12"	9.19 lbs.	10
	8010280	1-104-14-1-0	Bastard	14"	13.19 lbs.	10

	202, 203, 204 MACHINE BAND SAW FILES					
	Shape Triangular, parallel, untanged. Rounded edges. Surfaces and edges single cut. **Use** For sharpening band saw blades.					
	8021474	4-202-85-2-0	2nd Cut	8½"	2.25 lbs.	10
	8021481	4-203-85-2-0	2nd Cut	8½"	2.25 lbs.	10
	8021498	4-204-85-2-0	2nd Cut	8½"	2.25 lbs.	10

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
143 MILL BASTARD						
Designed for sharpening cutting edges of bits.						
	8105983	1-143-04-1-0	Bastard	4"	0.56 lbs.	10
	8019631	1-143-06-1-0	Bastard	6"	1.13 lbs.	10
	8019662	1-143-08-1-0	Bastard	8"	2.00 lbs.	10
	8019693	1-143-10-1-0	Bastard	10"	3.81 lbs.	10
	8019723	1-143-12-1-0	Bastard	12"	7.31 lbs.	10
	8019754	1-143-14-1-0	Bastard	14"	11.88 lbs.	10
	82168	1-143-16-1-0	Bastard	16"	16.56 lbs.	10
	8105990	1-143-04-2-0	2nd Cut	4"	0.56 lbs.	10
	8106010	1-143-06-2-0	2nd Cut	6"	1.13 lbs.	10
	8106034	1-143-08-2-0	2nd Cut	8"	2.00 lbs.	10
	8106058	1-143-10-2-0	2nd Cut	10"	3.81 lbs.	10
	8106072	1-143-12-2-0	2nd Cut	12"	7.31 lbs.	10
	8106096	1-143-14-2-0	2nd Cut	14"	11.88 lbs.	10
	8106003	1-143-04-3-0	Smooth	4"	0.56 lbs.	10
	8106027	1-143-06-3-0	Smooth	6"	1.13 lbs.	10
	8106041	1-143-08-3-0	Smooth	8"	2.00 lbs.	10
	8106065	1-143-10-3-0	Smooth	10"	3.81 lbs.	10
	8106089	1-143-12-3-0	Smooth	12"	7.31 lbs.	10
	8106102	1-143-14-3-0	Smooth	14"	11.88 lbs.	10



138, 140 MILL FILES — 1 AND 2 ROUND EDGES

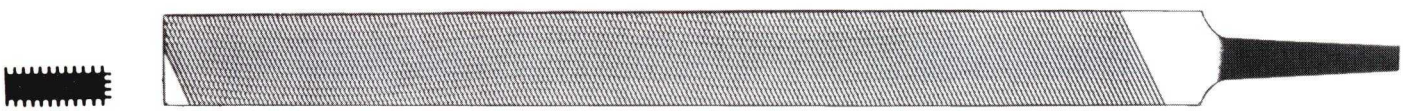
For sharpening circular, felling, and gang saws with fine toothing, and for sharpening band saws. Excellent for draw and fine filing, polishing, deburring work.

8020934	4-138-08-1-0	1 Round Edge-Bastard	8"	2.19 lbs.	10
8020958	4-138-10-1-0	1 Round Edge-Bastard	10"	4.13 lbs.	10
8020965	4-138-12-1-0	1 Round Edge-Bastard	12"	7.63 lbs.	10
8020989	4-140-06-1-0	2 Round Edges-Bastard	6"	1.19 lbs.	10
8020996	4-140-08-1-0	2 Round Edges-Bastard	8"	2.31 lbs.	10
8022488	4-140-10-1-0	2 Round Edges-Bastard	10"	4.19 lbs.	10

106 MULTI-METAL ("OBERG CUT")

Useful for all flat filing. High removal rate and smooth surface finish in most materials.

8019303	1-106-08-1-0	1 safe edge/single	8"	3.38 lbs.	10
8019310	1-106-10-1-0	1 safe edge/single	10"	5.69 lbs.	10
8019327	1-106-12-1-0	1 safe edge/single	12"	8.63 lbs.	10



FILES

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.

102 PILLAR FILE

For jobs where the 100 Hand File is too wide or too thick. For filing narrow grooves and for the manufacture of dies and punches.

8019211	1-102-08-1-0	Bastard	8"	1.19 lbs.	10

145 PLASTIC CUT FILE

Designed for fast and easy cutting on plastic laminates. Excellent for edge finishing. Single Cut.

8175443	1-145-10-0-0	Bst./Crse.	10"	3.70 lbs.	10
8175450	1-145-12-0-0	Bst./Crse.	12"	7.25 lbs.	10
8175467	1-145-14-0-0	Bst./Crse.	14"	11.00 lbs.	10

230 ROUND FILE

For filing holes, large fillets, concave surfaces.

8020248	1-230-04-1-0	Bastard	4"	0.31 lbs.	10
8020279	1-230-06-1-0	Bastard	6"	0.69 lbs.	10
8020309	1-230-08-1-0	Bastard	8"	1.69 lbs.	10
8020330	1-230-10-1-0	Bastard	10"	3.31 lbs.	10
8020361	1-230-12-1-0	Bastard	12"	5.69 lbs.	10
8020392	1-230-14-1-0	Bastard	14"	10.31 lbs.	10
8020255	1-230-04-2-0	2nd Cut	4"	0.31 lbs.	10
8020286	1-230-06-2-0	2nd Cut	6"	0.69 lbs.	10
8020318	1-230-08-2-0	2nd Cut	8"	1.69 lbs.	10
8020347	1-230-10-2-0	2nd Cut	10"	3.31 lbs.	10
8020378	1-230-12-2-0	2nd Cut	12"	5.69 lbs.	10
8020262	1-230-04-3-0	Smooth	4"	0.31 lbs.	10
8020293	1-230-06-3-0	Smooth	6"	0.69 lbs.	10
8020323	1-230-08-3-0	Smooth	8"	1.69 lbs.	10
8020354	1-230-10-3-0	Smooth	10"	3.31 lbs.	10
8020385	1-230-12-3-0	Smooth	12"	5.69 lbs.	10

160 SQUARE FILES

For filing grooves, rectangular holes, and inside corners. Also for fine adjustment of cutting tools.

8019785	1-160-04-1-0	Bastard	4"	0.31 lbs.	10
8019815	1-160-06-1-0	Bastard	6"	0.88 lbs.	10
8019846	1-160-08-1-0	Bastard	8"	2.00 lbs.	10
8019877	1-160-10-1-0	Bastard	10"	4.00 lbs.	10
8019907	1-160-12-1-0	Bastard	12"	6.38 lbs.	10
8019792	1-160-04-2-0	2nd Cut	4"	0.31 lbs.	10
8019822	1-160-06-2-0	2nd Cut	6"	0.88 lbs.	10
8019853	1-160-08-2-0	2nd Cut	8"	2.00 lbs.	10
8019884	1-160-10-2-0	2nd Cut	10"	4.00 lbs.	10
8019914	1-160-12-2-0	2nd Cut	12"	6.38 lbs.	10
8019808	1-160-04-3-0	Smooth	4"	0.31 lbs.	10
8019839	1-160-06-3-0	Smooth	6"	0.88 lbs.	10
8019860	1-160-08-3-0	Smooth	8"	2.00 lbs.	10
8019891	1-160-10-3-0	Smooth	10"	4.00 lbs.	10
8019921	1-160-12-3-0	Smooth	12"	6.38 lbs.	10

TAPER FILES

For sharpening saws with crosstoothing and teeth at a 60° angle.

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
		TAPER REGULAR				
	8021139	4-183-06-2-0	Single	6''	1.69 lbs.	10
	8021146	4-183-07-2-0	Single	7''	2.31 lbs.	10
	8021153	4-183-08-2-0	Single	8''	3.50 lbs.	10
	8021160	4-183-10-2-0	Single	10''	5.50 lbs.	10
		TAPER REGULAR—DOUBLE CUT				
	8021641	4-283-06-2-0	Double Cut	6''	1.69 lbs.	10

		TAPER SLIM				
	8021191	4-186-04-2-0	Single	4''	0.38 lbs.	10
	8021214	4-186-05-2-0	Single	5''	0.63 lbs.	10
	8021221	4-186-06-2-0	Single	6''	0.88 lbs.	10
	8021238	4-186-07-2-0	Single	7''	1.38 lbs.	10
	8021245	4-186-08-2-0	Single	8''	2.38 lbs.	10
	8021252	4-186-10-2-0	Single	10''	4.38 lbs.	10
	82314	4-286-06-2-0	Double Cut	6''	0.88 lbs.	10
	8021665	4-286-07-2-0	Double Cut	7''	1.31 lbs.	10

		TAPER—X-SLIM				
	8021269	4-187-04-2-0	Single	4''	0.31 lbs.	10
	8021283	4-187-05-2-0	Single	5''	0.38 lbs.	10
	8021290	4-187-06-2-0	Single	6''	0.63 lbs.	10
	8021306	4-187-07-2-0	Single	7''	1.63 lbs.	10
	8021313	4-187-08-2-0	Single	8''	1.50 lbs.	10
	82328	4-287-06-2-0	Double Cut	6''	0.63 lbs.	10
	8021689	4-287-07-2-0	Double Cut	7''	1.00 lbs.	10

FILES

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
	TAPER—XX-SLIM					
	8021320	4-188-04-2-0	Single	4''	0.19 lbs.	10
	8021337	4-188-05-2-0	Single	5''	0.31 lbs.	10
	8021344	4-188-06-2-0	Single	6''	0.63 lbs.	10
	8021351	4-188-07-2-0	Single	7''	0.81 lbs.	10
	82340	4-188-08-2-0	Single	8''	2.00 lbs.	10
	8116422	4-288-06-2-0	Double Cut	6''	0.63 lbs.	10
	8116439	4-288-07-2-0	Double Cut	7''	0.81 lbs.	10

170 3 SQUARE

For deburring and filing angles and inner corners. For filing of holes and large fillets as wells as concave surfaces.

8019969	1-170-06-1-0	Bastard	6''	1.31 lbs.	10
8019990	1-170-08-1-0	Bastard	8''	3.50 lbs.	10
8020026	1-170-10-1-0	Bastard	10''	5.38 lbs.	10
8019976	1-170-06-2-0	2nd Cut	6''	1.31 lbs.	10
8020002	1-170-08-2-0	2nd Cut	8''	3.50 lbs.	10
8020033	1-170-10-2-0	2nd Cut	10''	5.38 lbs.	10
8019983	1-170-06-3-0	Smooth	6''	1.31 lbs.	10
8020019	1-170-08-3-0	Smooth	8''	3.50 lbs.	10
8020040	1-170-10-3-0	Smooth	10''	5.38 lbs.	10

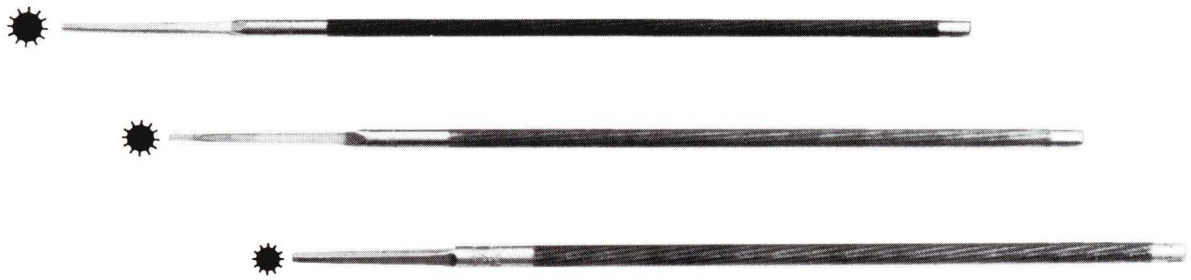
141 VENEER KNIFE FILE

Single cut with two round edges for sharpening veneer knives.

8155773	4-141-08-1-0	Single	8''	2.50 lbs.	10
82368	4-141-10-1-0	Single	10''	4.06 lbs.	10

Cross Section	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.
111 WARDING FILE						
For filing narrow grooves and passages. Particularly effctive for filing on keys.						
	8044053	1-111-04-1-0	Bastard	4'	0.19 lbs.	10
	8019549	1-111-06-1-0	Bastard	6''	0.50 lbs.	10
	8019570	1-111-08-1-0	Bastard	8''	1.63 lbs.	10
	8019518	1-111-04-2-0	2nd Cut	4''	0.19 lbs.	10
	8019556	1-111-06-2-0	2nd Cut	6''	0.50 lbs.	10
	8019587	1-111-08-2-0	2nd Cut	8''	1.63 lbs.	10
	8019525	1-111-04-3-0	Smooth	4''	0.19 lbs.	10
	8019563	1-111-06-3-0	Smooth	6''	0.50 lbs.	10
	8019594	1-111-08-3-0	Smooth	8''	1.63 lbs.	10

168 CHAIN SAW FILES						
Round, parallel files for sharpening of saw chains with roundhooded teeth.						
	8021993	168-6-3.2-12P	1/8'' round	6''	0.25 lbs.	12
	8022037	168-8-4.0-12P	5/32'' round	8''	0.88 lbs.	12
	8022075	168-8-4.8-12P	3/16'' round	8''	0.88 lbs.	12
	8022099	168-8-5.2-12P	13/64'' round	8''	0.88 lbs.	12
	8022112	168-8-5.5-12P	7/32'' round	8''	0.88 lbs.	12
	8022136	168-8-6.3-12P	1/4'' round	8''	0.88 lbs.	12



166 FLAT CHAIN SAW FILE						
Parallel, round uncut edges for filing depth gauges on saw chains and for sharpening of brush saw blades.						
	8021979	166-6-16-2.5-12P	6''	1.25 lbs.	12	

FILES

EDI Number	Package Code	Description	Carton Weight	Carton Quantity

CARDED FILES

Refer to bulk file descriptions for applications.

HANDLED, CARDED FILES

8000332	1-110-08-1-2	8" Flat Bastard, 1 Per Card	2.06 lbs.	5
8022341	1-143-06-1-2	6" Mill Bastard, 1 Per Card	1.06 lbs.	5
8028077	1-143-08-1-2	8" Mill Bastard, 1 Per Card	1.69 lbs.	5
8022358	1-143-10-1-2	10" Mill Bastard, 1 Per Card	2.56 lbs.	5
8000691	4-152-08-2-2	8" Multi-Duty-Wood, 1 Per Card	2.25 lbs.	5
8000707	4-153-08-1-2	8" Multi-Duty-Metal, 1 Per Card	2.25 lbs.	5
8000837	4-186-06-2-2	6" Taper Slim, 1 Per Card	1.06 lbs.	5
8022464	4-187-06-2-2	6" Taper Extra Slim, 1 Per Card	0.69 lbs.	5
8000424	1-210-06-1-2	6" Half Round Bastard, 1 Per Card	1.25 lbs.	5
8000455	1-210-08-1-2	8" Half Round Bastard, 1 Per Card	2.00 lbs.	5
8000493	1-210-10-1-2	10" Half Round Bastard, 1 Per Card	3.25 lbs.	5
8000509	1-230-06-1-2	6" Round Bastard, 1 Per Card	1.00 lbs.	5
8000547	1-230-08-1-2	8" Round Bastard, 1 Per Card	1.06 lbs.	5
8000578	1-230-10-1-2	10" Round Bastard, 1 Per Card	2.25 lbs.	5
8028282	6-342-08-1-2	8" Half Round Wood Rasp Bastard, 1 Per Card	2.00 lbs.	5
8005344	6-344-08-2-2	8" Flat-2nd Cut Wood Rasp, 1 Per Card	2.38 lbs.	5
8005412	6-345-08-2-2	8" Round-2nd Cut Wood Rasp, 1 Per Card	1.38 lbs.	5

CHAINSAW FILES, CARDED

82522	168-6-3.2-12P-C	6", 1/8" Diameter, 1 Per Card	0.50 lbs.	12
82524	168-8-4.0-12P-C	8", 5/32" Diameter, 1 Per Card	0.75 lbs.	12
82526	168-8-4.8-12P-C	8", 3/16" Diameter, 1 Per Card	1.00 lbs.	12
82528	168-8-5.2-12P-C	8", 13/64" Diameter, 1 Per Card	1.06 lbs.	12
82530	168-8-5.5-12P-C	8", 7/32" Diameter, 1 Per Card	1.19 lbs.	12

EDI Number	Package Code	Description	Carton Weight	Carton Quantity

Assortment of precision files 475 with plastic case

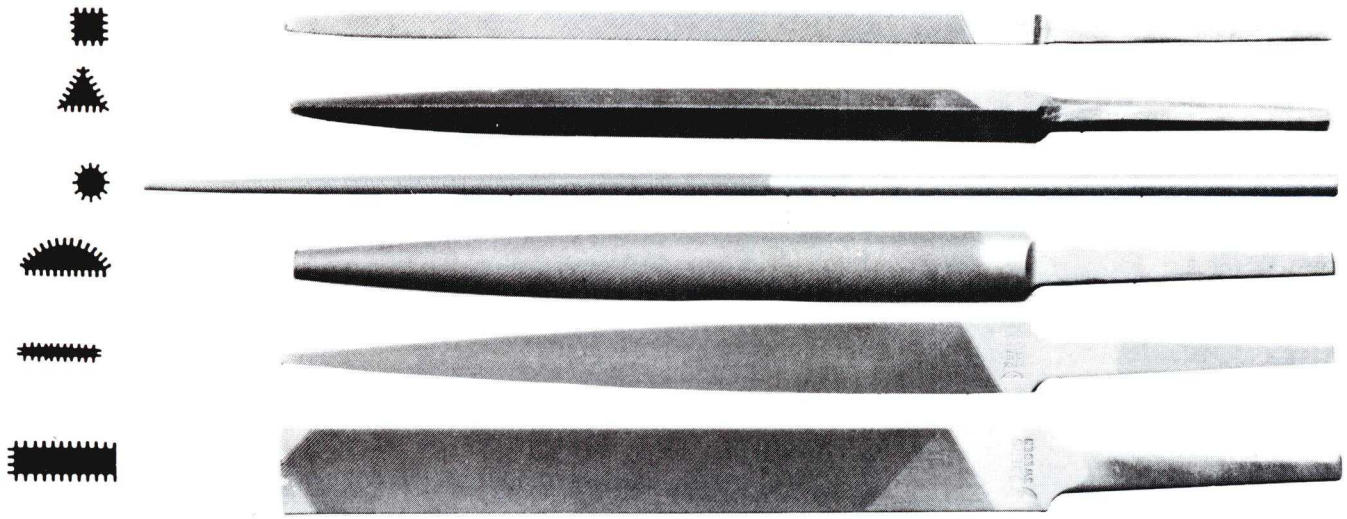
Shape

Length 4'' (100mm). Smooth double cut, 28 teeth per cm.

Use

For fine filling and polishing jobs and for tool manufacturing. The assortment includes 6 files and comes packaged in a plastic case.

8010935	1-475-04-3-0	6 precision files with case	0.50 lbs.	1



FILE ACCESSORIES

FILE CLEANER

8020897	9-467-00-0-0	File Cleaner	0.63 lbs.	1

FILE HANDLES—WOOD

82432	9-WH-01-12P	#1 for Files 3''-6''	1.06 lbs.	12
82434	9-WH-02-12P	#2 for Files 4''-6''	1.25 lbs.	12
82436	9-WH-03-12P	#3 for Files 6''-10''	2.00 lbs.	12
82438	9-WH-04-12P	#4 for Files 12''-16''	2.25 lbs.	12

FILE HANDLES—PLASTIC

8119874	9-PH-06-BULK	#6 Handle See Chart Below	—	1
8119881	9-PH-07-BULK	#7 Handle See Chart Below	—	1
8119898	9-PH-08-BULK	#8 Handle See Chart Below	—	1
8119904	9-PH-09-BULK	#9 Handle See Chart Below	—	1
8119669	9-PH-10-BULK	#10 Handle See Chart Below	—	1

PLASTIC HANDLE SELECTION CHART

FILE	LENGTH	HANDLE
100	4'' & 6''	# 7
100	8'' & 10''	# 9
100	12''	#10
102	6'' & 7''	# 6
104	10'' & 12''	#10
106	8'' & 10''	# 9
106	12''	#10
110	4'' & 6''	# 7
110	8'' & 10''	# 9
110	12''	#10
111	5'' & 6''	# 6
111	8''	# 8
138	6''	# 7
138	8''	# 8
138	10''	# 9
138	12''	#10
140	6''	# 7

FILE	LENGTH	HANDLE
140	8''	# 8
140	10	# 9
141	8'' & 10''	# 9
143	8'' & 10''	# 8
143	12''	#10
145	12''	#10
149	10''	# 9
151	10''	# 9
160	8''	# 8
160	10''	# 7
160	12''	# 9
170	8''	# 7
170	10''	# 9
183	7''	# 8
183	8''	# 9
183	10''	#10
186	10''	# 9

FILE	LENGTH	HANDLE
210	6''	# 6
210	8''	# 8
210	10''	# 9
210	12''	#10
230	10''	# 7
230	12''	# 9
250	6''	# 7
250	8' & 10''	# 9
265	8''	# 9
342	6''	# 6
342	8''	# 9
342	10''	# 9
343	8''	# 8
343	10''	# 9
343	12''	# 9
343	12''	#10
346	10''	#9

RASPS

Profile	EDI Number	Package Code	Cut	Length	Ctn. Wt.	Ctn. Qty.

Rasps are used by cabinetmakers and woodworkers for work in wood, plastic, plywood, wallboard, and other soft materials.

343 CABINET RASP

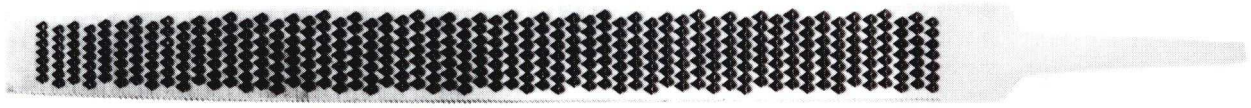
8021801	6-343-08-2-0	2nd Cut	8"	1.88 lbs.	10
8021825	6-343-10-2-0	2nd Cut	10"	4.50 lbs.	10
8021818	6-343-08-3-0	Smooth	8"	1.88 lbs.	10
8021832	6-343-10-3-0	Smooth	10"	4.50 lbs.	10
8021856	6-343-12-3-0	Smooth	12"	7.88 lbs.	10

352 SHOE RASP

82398	6-352-08-0-0	Half Round 4" 1 file half of each side	8"	.016 lbs.	10
82400	6-352-10-0-0	Rasp Other side file cut	10"	.021 lbs.	10

346 WOOD RASP

82402	6-346-10-1-0	Bastard	10"	5.25 lbs.	10
82404	6-346-12-1-0	Bastard	12"	8.50 lbs.	10
82406	6-346-14-1-0	Bastard	14"	12.75 lbs.	10



342 HALF ROUND WOOD RASP

8021726	6-342-08-1-0	Bastard	8"	3.81 lbs.	10
8021757	6-342-10-1-0	Bastard	10"	6.00 lbs.	10
8021788	6-342-12-1-0	Bastard	12"	8.81 lbs.	10
82414	6-342-14-1-0	Bastard	14"	13.88 lbs.	10

NEEDLE FILES

Profile	Description	Cut	SIZE Inches	SIZE cm	Pieces Per Box
	300 Hand	0,2,4 1	5½,6¼ 6¼	14,16 16	10 10
	301 Flat	0,1 2	6¼ 5½,6¼	16 14,16	10 10
	302 3 Square	0,2,4 1	5½,6¼ 6¼	14,16 16	10 10
	303 Square	0,2,4 1	5½,6¼ 6¼	14,16 16	10 10
	304 Half Round	0,2,4 1	5½,6¼ 6¼	14,16 16	10 10
	305 Oval	1 2	6¼ 5½,6¼	16 14,16	10 10
	306 Crossing	1 2	6¼ 5½,6¼	16 14,16	10 10
	307 Round	0,2,4 1	5½,6¼ 6¼	14,16 16	10 10
	308 Knife	0,2 1	5½,6¼ 6¼	14,16 16	10 10
	309 Barrette	2	5½,6¼	14,16	10
	311 Slitting	2	6¼	16	10
	312 Round Edge Joint	2	5½,6¼	14,16	10

Set of 6 needle files
470
Industry Pack

Ordering Code	EAN code 731151 +	Pcs./ box	Dimensions length, cm	Dimensions length, inch	Teeth per cm	Type of cut
2-470-14-2-0	8109080	10	14	5½	34	Smooth
2-470-16-1-0	8010942	10	16	6¼	26	Second
2-470-16-2-0	8109097	10	16	6¼	34	Smooth

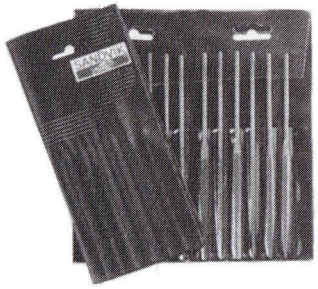
Set of 6 files in snap-shut plastic wallet with hanging hole.
Contains one each of: Hand, Flat, Half Round, Round, Three Square and Square.

Set of 9 needle files
471
Industry Pack

Ordering Code	EAN code 731151 +	Pcs./ box	Dimensions length, cm	Dimensions length, inch	Teeth per cm	Type of cut
2-471-16-1-0	8010959	10	16	6¼	26	Second

Set of 9 files in snap-shut plastic wallet with hanging hole.
Contains one each of: Hand, Flat, Half Round, Round, Three Square, Square, Oval, Crossing and Knife.

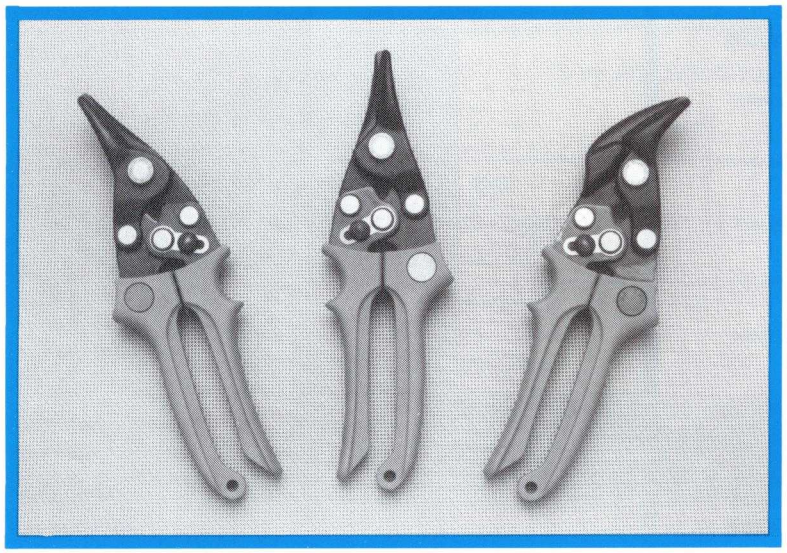
Set of 12 needle files
472
Industry Pack



Ordering Code	EAN code 731151 +	Pcs./ box	Dimensions length, cm	Dimensions length, inch	Teeth per cm	Type of cut
2-472-14-2-0	8109103	10	14	5½	34	Smooth
2-472-16-1-0	8010966	10	16	6¼	26	Second
2-472-16-2-0	8100922	10	16	6¼	34	Smooth

Set of 12 files in snap-shut plastic wallet with hanging hole.
Second contains one each of: Hand, Flat, Square, Oval, Crossing and Knife, plus two each of Three Square, Half Round and Round.
Smooth contains one each of: Hand, Flat, Square, Three Square, Half Round, Round, Oval, Crossing, Slitting, Barrette, Knife and Round-edge Joint.

METAL SHEARS



METAL SHEARS

- AVIATION SNIPS
- HIGH LEVERAGE REQUIRES ⅓ LESS EFFORT
- HIGHEST QUALITY CUTTING EDGES FOR LONG LASTING CUTTING PERFORMANCE
- LEFT CUTTING, RIGHT CUTTING, STRAIGHT CUTTING AND PASS THROUGH MODELS.
- ERGONOMIC HANDLES
- .043" (14 GUAGE) CUTTING CAPACITY
- THUMB OPERATED SAFETY LOCK

MA225 STRAIGHT CUTTING

The MA225 makes straight cuts in difficult steel sheets. The specially designed lever system enables tough materials to be cut with 2/3 the effort of other metal shears. Extremely strong handles provide a comfortable grip.

EDI NUMBER	PACKAGE CODE	LENGTH	CTN. WT.	CTN. QTY.
8161057	MA225	9½"	3.90 lbs.	4

MA225L LEFT CUTTING
MA225R RIGHT CUTTING

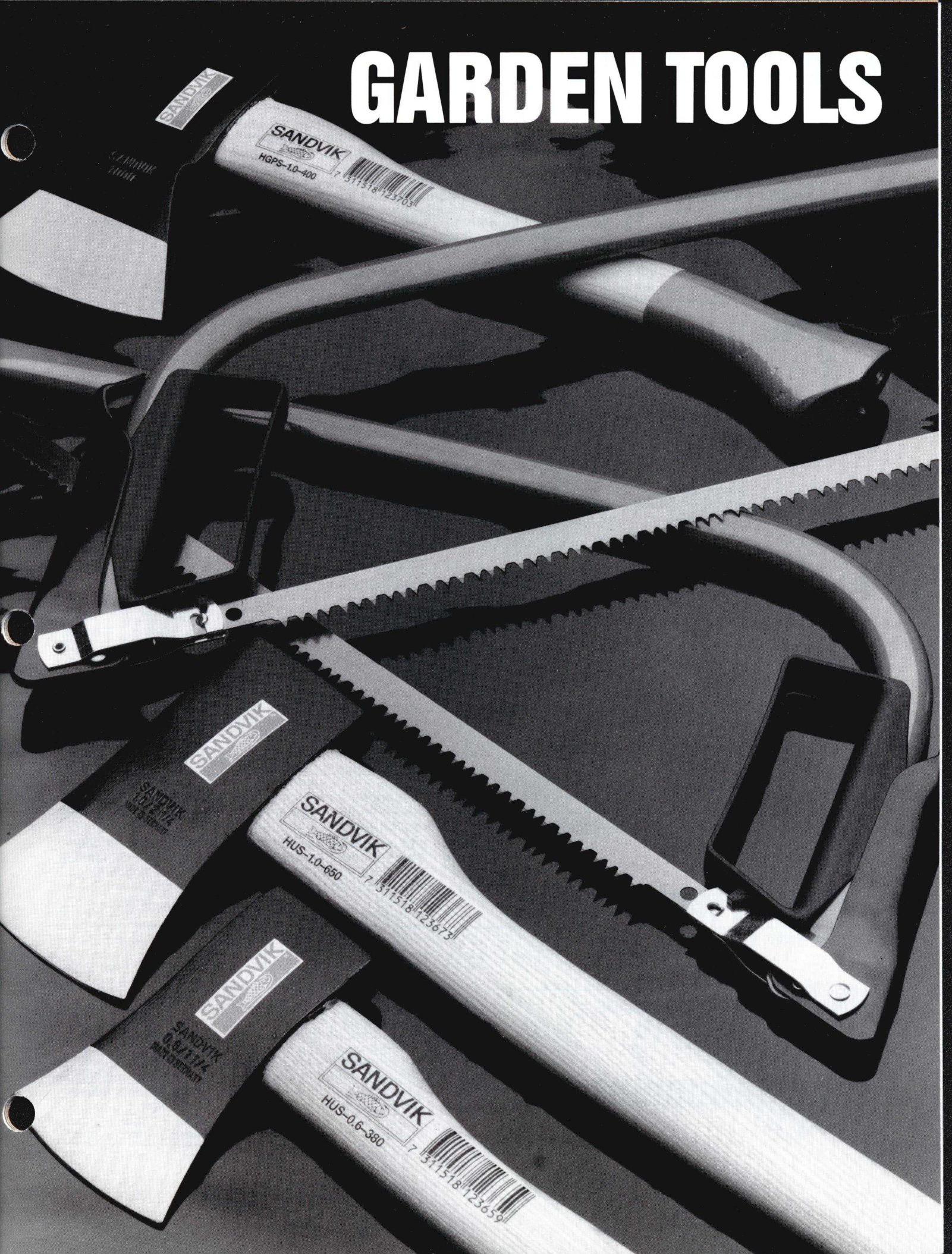
The MA225L makes straight and left cuts in difficult steel plates. The MA225R makes straight and right cuts in difficult steel sheets. The specially designed lever system enables tough materials to be cut with 2/3 the effort of other metal shears. Extremely strong handles provide a comfortable grip.

EDI NUMBER	PACKAGE CODE	LENGTH	CTN. WT.	CTN. QTY.
8161033	MA225L	9½"	3.90 lbs.	4
8161040	MA225R	9½"	3.90 lbs.	4

MA325 PASS THROUGH CUTTING

The MA325 makes straight pass through and circular cuts in very difficult steel sheets. The specially designed lever system enables tough materials to be cut with 2/3 the effort of other metal shears. Extremely strong handles provide a comfortable grip.

EDI NUMBER	PACKAGE CODE	LENGTH	CTN. WT.	CTN. QTY.
8161064	MA325	9½"	4.10 lbs.	4


GARDEN TOOLS
SANDVIK
HGPS-1.0-400
SANDVIK
SANDVIK
HUS-1.0-650
SANDVIK
SANDVIK
HUS-0.6-380

BOWSAWS

Sandvik bowsaws have long been renowned for the high quality of both the frame and the blades. Today Sandvik bowsaws are sought after for agricultural and gardening applications by professionals and do-it-yourselfers alike, and for heavy cutting in the construction industry.

Sandvik bowsaws are made of all-extruded steel tubing. Only the best Sandvik Swedish steel is used. The frames are effectively protected against rust by an electrostatic application of bright orange epoxy and polyester resins that also protect against impact and wear. The blade tensioning mechanism is ingeniously designed for easy and reliable blade changing. The holding pins for the blades are precisely aligned to keep the blade flat and straight so that a perfectly straight cut is obtained.

A new addition to the Sandvik 9 and 331 series of bowsaws is a patented knuckle guard. Made of high impact, reinforced glass-fiber polypropylene, the knuckle guard is a long awaited refinement that lives up to its name. It stands up to harsh impacts and provides excellent protection against blows to the hand.

9-12-51/3806-KP

The perfect saw for the camper/outdoorsman. This saw features a 12" 51 pegtooth bowsaw blade and a 12" 24 tooth Sandflex bimetal hacksaw blade. Perfect for wood and metal cutting with one saw. Sturdy, heavy duty tubular steel frame with a protective guard for the knuckles, plastic blade sheath also included.

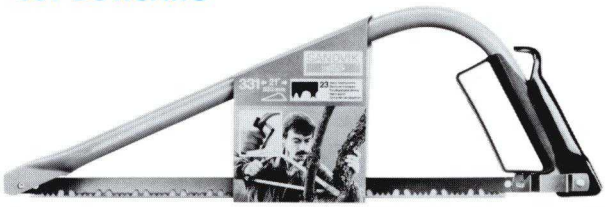
EDI NUMBER	PACKAGE CODE	TOTAL LENGTH	TOOL WT.	STD. PACK
8044558	9-12-51/3806-KP	12 in.	1.20	5

9 BOWSAWS

Lightweight all-around saw for pruning, gardening, farming and construction work. The 9 bowsaw features a tubular steel frame and steel plate tension lever. Replaceable Sandvik 51 hardpoint blade with peg tooth pattern for smooth cuts in green and dry wood. Available on 9-21 inch and 9-24 inch bowsaws. The Sandvik 23 hardpoint blade with raker tooth pattern for cutting green wood. Available on 9-30 inch and 9-36 inch bowsaws. All 9 bowsaws come with knuckle guard and plastic sheath for blade.

EDI NUMBER	PACKAGE CODE	TOTAL LENGTH	TOOL WT.	STD. PACK
8001476	9-21-51-KP	21 in.	1.4 lbs.	10
8001483	9-24-51-KP	24 in.	1.6 lb.	10
8001506	9-30-23-KP	30 in.	1.9 lb.	10
8001469	9-36-23-KP	36 in.	2.6 lb.	10

331 BOWSAWS



A light and handy bowsaw designed for use in inaccessible positions. Ideal for pruning, clearing and all-around sawing. Round steel tubing frame and steel tension lever. Available with replaceable Sandvik 51 or 23 hardpoint blade. Comes with knuckle guard and plastic sheath for blade.

EDI NUMBER	PACKAGE CODE	TOTAL LENGTH	TOOL WT.	STD. PACK
8003814	331-21-51-KP	21 in.	1.3 lb.	10
8014971	331-21-23-KP	21 in.	1.3 lb.	10

23 RAKER TOOTHED BOWSAW BLADE

Made from cold rolled special Sandvik steel, the Sandvik 23 is .75 in. wide with precision sharpened and set teeth. Efficient raker toothing is designed for cutting green wood, but also can be used to cut dry wood. High-frequency induction hardened tooth points stay sharp 5 times longer than conventional blades.

EDI NUMBER	PACKAGE CODE	TOTAL LENGTH	TOOL WT.	STD. PACK
8012274	23-21/B	21 in.	.13 lb.	10
8003852	23-24/B	24 in.	.13 lb.	10
8003869	23-30/B	30 in.	.19 lb.	10
8003883	23-36/B	36 in.	.19 lb.	10

51 PEG TOOTHED BOWSAW BLADE CROSSCUT

Made from cold rolled special Sandvik steel, the Sandvik 51 is .75 in. (20mm.) wide with precision sharpened and set teeth. Peg toothing designed to cut dry and green wood. High-frequency induction hardened tooth points stay sharp 5 times longer than conventional blades. 21 in. and 24 in. blades have small teeth for smooth fine cutting. 30 in. and 42 in. blades have coarser toothing for efficient sawing of logs and construction timber.

EDI NUMBER	PACKAGE CODE	TOTAL LENGTH	TOOL WT.	STD. PACK
8003906	51-21/B	21 in.	.13 lb.	10
8003913	51-24/B	24 in.	.13 lb.	10
8003920	51-30/B	30 in.	.19 lb.	10
8003968	51-42/E	42 in.	.25 lb.	10

AXES

HUS-0.6-380 15'' UNIVERSAL HATCHET
HUS-0.8-500 20'' UNIVERSAL HATCHET
HUS-1.0-650 26'' UNIVERSAL HATCHET

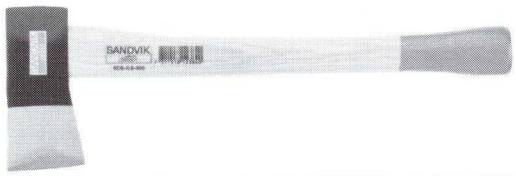
A general purpose hatchet for gardening, occasional branch trimming, and splitting. Also a convenient hatchet for camping and scouting. High grade tool steel head is fastened to the handle by a unique plastic wedging system. Edge protector/hanger.

EDI NUMBER	PACKAGE CODE	OLD NO.	HANDLE LENGTH	HEAD WT.	CTN. WT.	STD. PACK
8123659	HUS-0.6-380	421-1	15 in.	1.3 lbs.	7.28 lbs.	5
8123666	HUS-0.8-500	421-2	20 in.	1.75 lbs.	9.04 lbs.	4
8123673	HUS-1.0-650	421-3	26 in.	2.25 lbs.	11.68 lbs.	4

SCS-0.9-500 20'' CANADIAN SPLITTING AXE

A splitting axe with a thin cutting edge that slices into the wood. The weight of the axe ensures that the tapered blade splits the wood more and more. The ridges on the blade reduce friction. High quality tool steel and curved ash handle provide strength and durability. Edge protector/hanger.

EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	HEAD WT.	CTN. WT.	STD. PACK
8123840	SCS-0.9-500	20 in.	2 lbs.	11.68 lbs.	4



FCS-1.1-710 28'' CANADIAN FELLING AXE
FCS-1.6-810 32'' CANADIAN FELLING AXE

A good axe for cutting down small trees and for clearing branches from felled trees. The thin blade means it will swing smoothly through small branches. Edge protector/hanger.

EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	HEAD WT.	CTN. WT.	STD. PACK
8123734	FCS-1.1-710	28 in.	2.5 lbs.	13.45 lbs.	4
8123680	FCS-1.6-810	32 in.	3.5 lbs.	19.62 lbs.	4

HGPS-0.6-360 15'' GENERAL PURPOSE HATCHET

The all around general purpose hatchet for D.I.Y. and hobby use. Edge protector/hanger.

EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	HEAD WT.	CTN. WT.	STD. PACK
8123680	HGPS-0.6-360	15 in.	1.25 lbs.	7.28 lbs.	4

3022 CLEARING AXE

Spring steel bow with hickory handle. Replaceable blade of cold rolled hardened steel. Double taper ground with a small ''flat'' on top of the edge. This shape gives a superior cutting action. Good balance and low weight allows one-hand work with very swift strokes. The clearing axe will cut a 2 in. bush in a one stroke and a 3 in. bush in two or three strokes.

The clearing axe is ideal for fighting forest fires, clearing along roadsides, ditches, power lines, etc. as well as for clearing undergrowth in parks, gardens and recreation areas. 3028 spare blade and 3099 handle also available.

EDI NUMBER	PACKAGE CODE	HANDLE LENGTH	HEAD WT.	CTN. WT.	STD. PACK
18216	3022	29 in.	2 lb.	2.19 lbs.	1
18218	3028 Blade	7 in.	1.25 lb.		10
18220	3099	20 in.	-		1

P34 POLE TREE PRUNER

Specially designed to prune trees while standing on the ground, the P34 series of pole pruners feature extended, fixed hook-shaped blades that are placed over the branch prior to making the cut. Uniquely designed spring offers superior lever-action strength that closes blade when cord is pulled to make cut. Cutting power is increased by cord pulley mechanism. Cutting blades are replaceable. Pole pruners come without pull cord and pole. Cutting capacity for P34-27 is 1.2 in. (30mm.) and for the P34-37 it is 1.8 in. (45mm). Pole not included.

EDI NUMBER	PACKAGE CODE	TOTAL LENGTH	TOOL WEIGHT	PACK
8002770	P34-27	11 in.	1.06 lb.	2
8002787	P34-37	15 in.	1.98 lb.	2

SHEARS & KNIVES

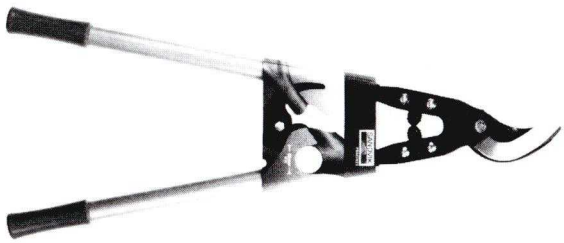
SANDVIK P1 PROFESSIONAL PRUNER

The P1 Series features fully hardened HRc 56) carbon steel blades coated with TEFLON-like XYLAN for anti-friction and anti-rust protection. Counter-blades are fully hardened, coated with zinc for rust protection, and have a sap groove for smooth non-stick action. Nylon insert in lock nut prevents nut from coming loose. Spring and rubber buffers provide smooth action. The composite handles are lighter than aluminum and more resistant than metal. They can withstand up to 375 lbs. of pressure. Cutting capacity: Up to 1 in.

Package Code	Total Length	Tool Weight	Standard Pack
P1-20	8 in.	.5 lb.	6
P1-22	9 in.	.5 lb.	6

SANDVIK P19 PROFESSIONAL LOPPING SHEAR

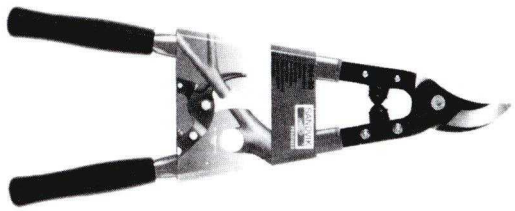
Extra powerful two-handed shears, the P19-80 features replaceable blades with two cutting radiuses that work at different moments during the cut. The first radius starts the cut with a heavy slicing action, the second finishes the cut with a long, smooth sliding cut. Lightweight aluminum handles provide strength and durability. In addition to pruning trees, the P19-80 is perfect for clearing undergrowth, thinning hedges and other pruning operations. Cutting capacity: Up to 2 in.



Package Code	Total Length	Tool Weight	Standard Pack
P19-80	32 in.	3.9 lb.	1

SANDVIK P14 PROFESSIONAL LOPPING SHEARS

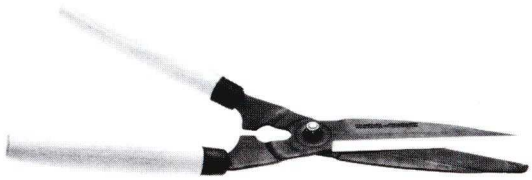
The P14 Series lopping shears are lightweight and efficient cutting tools. Both the counterblades and cutting blades are made smaller and thinner than other Sandvik lopping shears in order to access confined areas and prune closer to the tree. The blade has one cutting radius to prevent the branch from slipping out during pruning. Both the counter and cutting blades are replaceable. Cutting capacity: Up to 1.2 in.



Package Code	Total Length	Tool Weight	Standard Pack
P14-50	20 in.	1.65 lb.	4
P14-60	24 in.	1.85 lb.	2
P14-70	28 in.	2.05 lb.	2

SANDVIK P58 HEDGE SHEARS

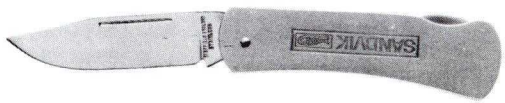
Designed for general shearing operations, the P58-20 hedge shears feature wood handles and metal buffers. The blades on both shears are held firmly in place by nylon padded lock nuts that prevent blades from pulling apart. The P58-20 has one non-serrated cutting edge and one flat edge. The flat edge keeps grass straight prior to the cut.



Package Code	Total Length	Tool Weight	Standard Pack
P58-20	20 in.	2.9 lb.	4

SANDVIK KNIVES

Good all-around cutting instruments. These knives feature razor sharp blades made of high quality stainless steel so it will not rust. Lightweight and easy to carry; perfect for all types of cutting work. The K-AP-1 features a straight blade, the K-GP-1 features a hooked blade. Carded.



Package Code	Total Length	Tool Weight	Standard Pack
K-AP-1	7 in.	.2 lb.	10
K-GP-1	6¾ in.	.2 lb.	10

A RESEARCH APPROACH TO

ERGONOMIC HANDTOOLS

Ergonomic Handtools Designed for the Professional

Eliminate:

- Extreme muscle contractions that affect tendons
- Pressure points which lead to tendon damage
- Blood vessel and nerve damage

Health Benefits:

- Reduced Repetitive Motion Trauma
- Reduced Carpal Tunnel Syndrome
- Reduced Tendonitis

Through:

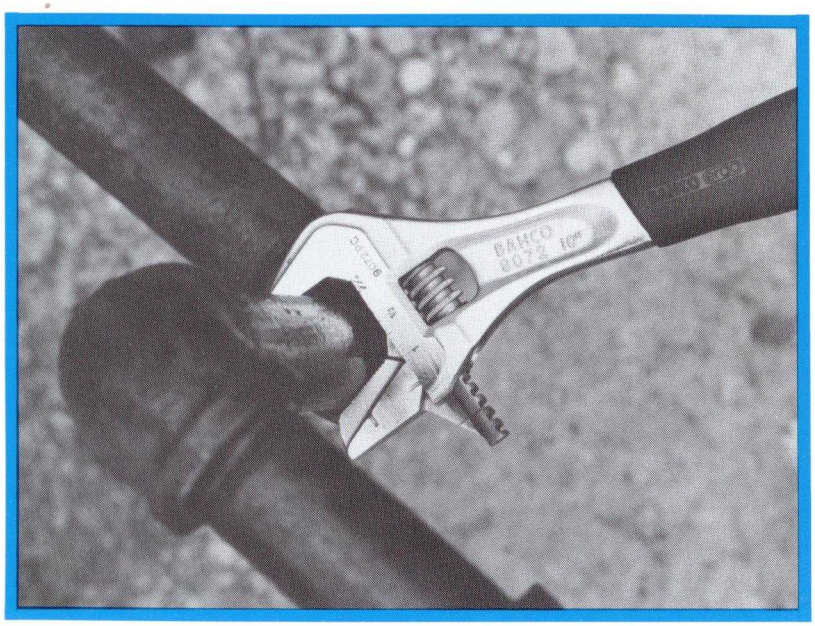
- Smooth handle designs
- Proper handle shapes
- Proper handle curvature
- Proper handle lengths
- Non slip handle surfaces
- Rapid and accurate setting of adjustable tools

ADJUSTABLE/ PIPE WRENCH ergo

2 WRENCHES IN 1!
Adjustable / Pipe Wrench

FEATURES:

- **Jaws adjust to -**
  Pipe couplings between 3/16'' and 1 3/8''
  Nuts and bolts up to 1 5/16''
- **Torque can be applied in either direction.**
- **The pipe wrench will easily release damaged bolts and nuts.**
- **The specially coated handle provides a firm, slip free grip. Makes working in any range of temperatures tolerable.**
- **Measuring scale for rapid setting of jaw.**
- **Ergo design for comfortable long lasting grip.**
- **Production certified to ISO 9000, Swedish SS, and U.S. standards.**



9072 ADJUSTABLE/PIPE WRENCH

World's first adjustable wrench **and** pipe wrench. Ergonomic features include safe, slip-free handle, a measuring scale for quick jaw pre-setting, course knurl for ease of adjustment, and ability to put torque in either direction.

EDI NUMBER	PACKAGE CODE	LENGTH	CTN. WT.	CTN. QTY.
0057764	9072 RPC US	10'' Carded	5.63	5
0057771	9072 RPC US-1P	10'' Ind. Pkg.	5.75	5

ergo PLIERS & SIDECUTTERS

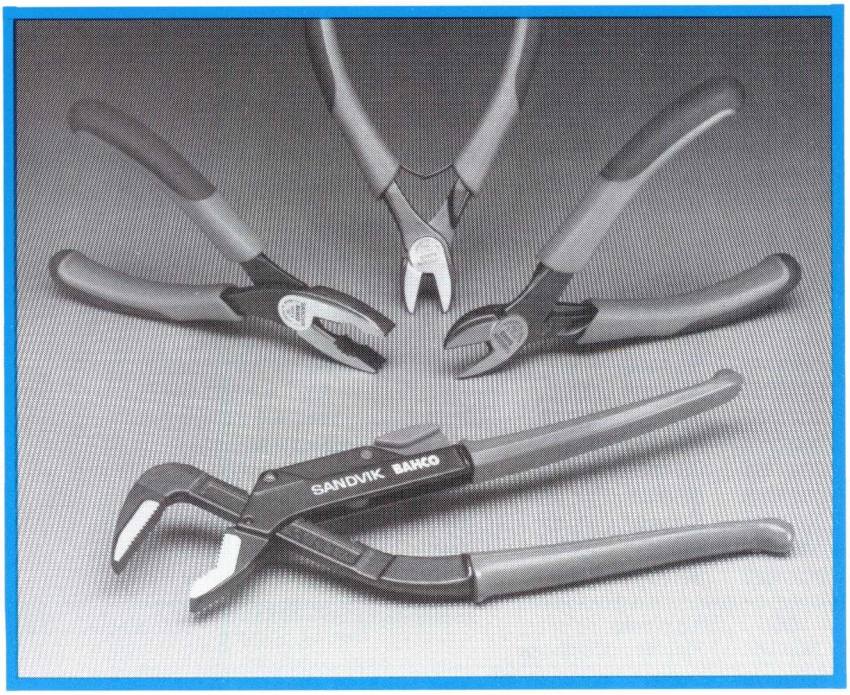
Put More Power in Your Hands

PLIERS & SIDE CUTTERS

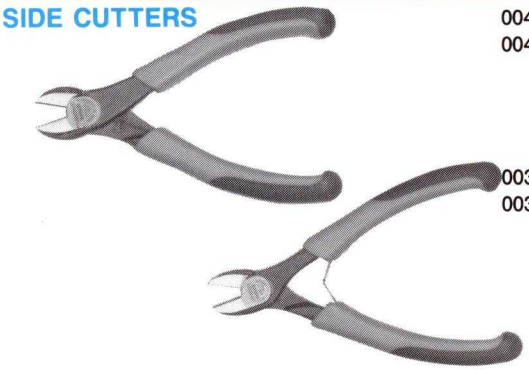
- RETURN SPRINGS FOR MINIMUM EFFORT
- HANDLE DESIGN FOR MAXIMUM COMFORT
- BEVELED BLADE KEEPS AN EDGE
- CUTS PIANO WIRE OR HARD STEEL WIRE
- INDUCTION-HARDENED CUTTING EDGES

SLIP JOINT PLIERS

- RAPID SET JAWS
- QUICK RELEASE WITH TOUCH OF BUTTON
- HARDENED STEEL TEETH KEEP THEIR GRIP



	EDI NUMBER	PACKAGE CODE	DESCRIPTION	CTN. WT.	CTN. QTY.
SIDE CUTTERS					
	0042623	2128G-140	6" Side cutter, Piano Wire, Carded	1.88 lbs.	5
	0042630	2128G-160	7" Side cutter, Piano Wire, Carded	2.25 lbs.	5
	0038626	2191G-140	6" Side cutter, Hard Steel Wire, Carded	1.88	5
	0038633	2191G-160	7" Side cutter, Hard Steel Wire, Carded	2.25	5
COMBINATION PLIERS					
	0042999	2628G-160	7" Combination Plier, Piano Wire, Carded	2.13 lbs.	5
	0042678	2628G-180	8" Combination Plier, Piano Wire, Carded	2.88 lbs.	5
	*	26286-200	9"Combination Plier, Piano Wire, Carded	3.00 lbs.	5
SLIP-JOINT PLIERS					
	0000012	8224	10" Slip Joint, Quick Release Pliers, Carded	4.00 lbs.	5
	0000029	8225	12" Slip Joint, Quick Release Pliers, Carded	3.63 lbs.	3



*Available Spring '94

ergo SCREWDRIVERS

HEXAGON SOCKET CAP SCREWDRIVERS

EDI Number	Package Code	Tip No.	Tool Length	Shaft Length x Tip Diam.	Ctn. Qty.
0027651	BE-8703	3 mm	8¼"	4¼"x 3 mm	10
0027668	BE-8704	4 mm	9"	4¼" x 4 mm	10
0027675	BE-8705	5 mm	9"	4¼" x 5 mm	10
0027682	BE-8706	6 mm	10¼"	5½" x 6 mm	10
0027699	BE-8708	8 mm	10½"	5¾" x 8 mm	10
0027705	BE-8710	10 mm	14"	7½" x 10 mm	5

TORX SCREWDRIVERS

EDI Number	Package Code	Tip No.	Tool Length	Shaft Length x Tip Diam.	Ctn. Qty.
0027729	BE-8906	TX 6	6"	2" x 1.7 mm	10
0027736	BE-8907	TX 7	6¼"	2⅛' x 1.99 mm	10
0027743	BE-8908	TX 8	6½"	2⅜" x 2.31 mm	10
0027750	BE-8909	TX 9	7¼"	2⅜" x 2.5 mm	10
0027767	BE-8910	TX 10	7¼"	2½" x 2.74 mm	10
0027774	BE-8915	TX 15	7½"	2¾"x 3.27 mm	10
0027781	BE-8920	TX 20	7½"	3" x 3.86 mm	10
0027798	BE-8925	TX 25	8"	3⅛" x 4.43 mm	10
0027804	BE-8927	TX 27	8¼"	3½" x 4.99 mm	10
0027811	BE-8930	TX 30	8¾"	4" x 5.52 mm	10
0027828	BE-8940	TX 40	11½"	5⅛" x 6.65 mm	5

SETS

EDI Number	Pkg. Code Set No.	Contents	Ctn. Qty.
0043279	9881	BE-8020, BE-8040, BE-8150, BE-8155 SLOT BE-8610, BE-8620 PHILLIPS	10
0048465	9885	BE-8908, BE-8909, BE-8910, BE-8915, BE-89, BE-8925 TORX	10
0048472	9886	BE-8030, BE-8150 SLOTTED BE-8810, BE-8820 PZD/SDV BE-8610, BE-8620 PHILLIPS	10

SLOTTED SCREWDRIVERS

EDI Number	Package Code	Tool Length	Shaft Length x Tip Width	Ctn. Qty.
0010615	BE-8710	6"	2"x 3/32"	10
0010639	BE-8020	6"	2" x 1/8"	10
0010653	BE-8030	7¾"	3" x 9/64"	10
0010677	BE-8040	8¾"	4" x 5/32"	10
0010707	BE-8150	8¾"	4" x 7/32"	10
0010721	BE-8155	9¾"	5' x ¼"	10
0010745	BE-8160	9¾"	5" x 5/16"	10
0010851	BE-8865	13½"	7" x 5/16"	5
0010875	BE-8870	13½"	7" x 3/8"	5
0010899	BE-8880	14½"	8" x ½"	5
0010905	BE-8890	14½"	8" x 9/16"	5
0047741	BE-8220	9"	5" x 1/8"	10
0047758	BE-8230	9¾"	5" x 9/64"	10
0047765	BE-8240	11¾"	7" x 5/32"	10
0047772	BE-8250	10¾"	6" x 7/32"	10
0047789	BE-8255	10¾"	6" x ¼"	10
0047796	BE-8260	11¾"	7" x 5/16"	10

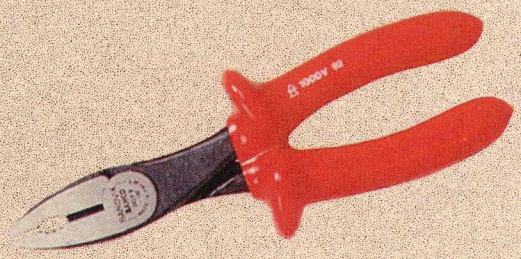
PHILLIPS HEAD SCREWDRIVERS

EDI Number	Package Code	Tip No.	Tool Length	Shaft Length x Tip Diam.	Ctn. Qty.
0010769	BE-8600	PH 0	6½"	2⅓" x 1/8"	10
0010776	BE-8610	PH 1	7¾"	3" x 3/16"	10
0010783	BE-8620	PH 2	8¾"	4" x ¼"	10
0010790	BE-8630	PH 3	10¾"	6" x 5/16"	5
0010806	BE-8640	PH 4	14½"	8" x 3/8"	5

POZIDRIV/SUPADRIV SCREWDRIVERS

EDI Number	Package Code	Tip No.	Tool Length	Shaft Length x Tip Diam.	Ctn. Qty.
0042012	BE-8800	PZD/SDV 0	6½"	2⅓" x 1/8"	10
0010813	BE-8810	PZD/SDV 1	7¾"	3" x 3/16"	10
0010820	BE-8820	PZD/SDV 2	8¾"	4" x ¼"	10
0010837	BE-8830	PZD/SDV 3	10¾"	6" x 5/16"	5
0010844	BE-8840	PZD/SDV 4	14½"	8" x 3/8"	5

INSULATED PLIERS/CUTTERS AVAILABLE SPRING '94



ergo INSULATED PLIERS/CUTTERS

EDI NUMBER	PKG. CODE	CTN. QTY.	L IN.	CTN. WT.
2628S Universal pliers insulated 1000 volts				
0044054	2628S-180	3	8''	.617 lbs.
0043002	2628S-200	3	9''	.882 lbs.
2191S Side cutting pliers insulated 1000 volts				
0038640	2191S-160	3	7''	.507 lbs.
0038657	2191S-180	3	8''	.617 lbs.
004267	2128S-200	3	9''	.838 lbs.
2223S Wire stripping pliers insulated 1000 volts				
0032983	2223S-150	3	6''	.397 lbs.
2427S Flat nose pliers, long, angled, insulated 1000 volts				
0033027	2427S-200	3	8''	.617 lbs.
2430S Flat nose pliers, long, angled insulated 1000 volts				
0033010	2430S-200	3	8''	.617 lbs.
2520S Cable cutters insulated 1000 volts				
0033041	2520S	1	18''	3.75 lbs.

ergo INSULATED SCREWDRIVERS

BE-8010S-BE-8065S for slotted screws

Insulated and approved for work on live voltages up to 1000 volts. Satisfy the requirements prescribed in international CEI and VDE 0680 standards.
Presentation: handle developed in cooperation with ergonomic experts. The ergonomic form of the handle, with increased gripping comfort, makes it easier to achieve high turning torques.
Material: specially hardened blade, insulation conforms to CEI 900.

EDI NUMBER	PKG. CODE	TOOL LENGTH	SHAFT LGTH. x TIP WIDTH	CTN. QTY.
0033058	BE-8010S	7''	3''x3/32''	10
0033065	BE-8020S	9''	5''x1/8''	10
0033072	BE-8030S	10¾''	6''x9/64''	10
0033089	BE-8040S	10¾''	6''x5/32''	10
0033096	BE-8050S	11¾''	7''x7/32''	10
0033102	BE-8055S	11¾''	7''x¼''	10
0033119	BE-8065S	13½''	7''x5/16''	10
0048243	BE-8220S	8''	4''x1/8''	10
0048250	BE-8230S	9¾''	5''x9/64''	10
0048267	BE-8240S	10¾''	6''x5/32''	10
0048274	BE-8250S	11¾''	7''x7/32''	10
0048281	BE-8255S	11¾''	7''x¼''	10

BE-8600S-BE-8640S for screws PHILLIPS RECESS®

EDI NUMBER	PKG. CODE	TOOL LENGTH	TIP NO.	SHAFT LGTH. x TIP DIAM.	CTN. QTY.
0033126	BE-8600S	6½''	PH0	3''x1/8''	10
0033133	BE-8610S	7¾''	PH1	3''x3/16''	10
0033140	BE-8620S	8¾''	PH2	4''x¼''	10
0033157	BE-8630S	10¾''	PH3	6''x5/16''	5
0033164	BE-8640S	14¼''	PH4	8''x3/8''	5

BE-8810S-BE-8830S for screws POZI-DRIV/SUPADRIV®

0048298	BE-8810S	7¾''	PZD/SVD1	3''x3/16''	10
0048304	BE-8820S	8¾''	PZD/SVD2	4''x¼''	10
0048311	BE-8830S	10¾''	PZD/SVD3	6''x5/16''	5

INSULATED SCREWDRIVERS AVAILABLE SPRING '94

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